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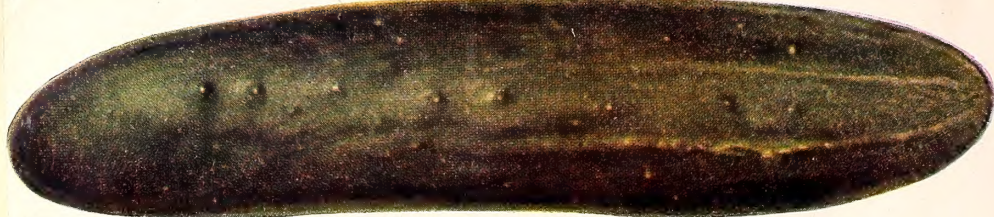
The No.45 Garden Book

Miss Newman

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U. S. Department of Agriculture

VICTORY
See Page 4
P.-W.
No. 504
COLLECTION

**PORTER •
WALTON CO.** SALT LAKE CITY 1, UTAH



CUCUMBER CUBIT (All America Selection)

An improvement on Colorado. Darker green and a heavier cropper. (See page 10.)



TENDERGREEN BEAN

(See Page 5)

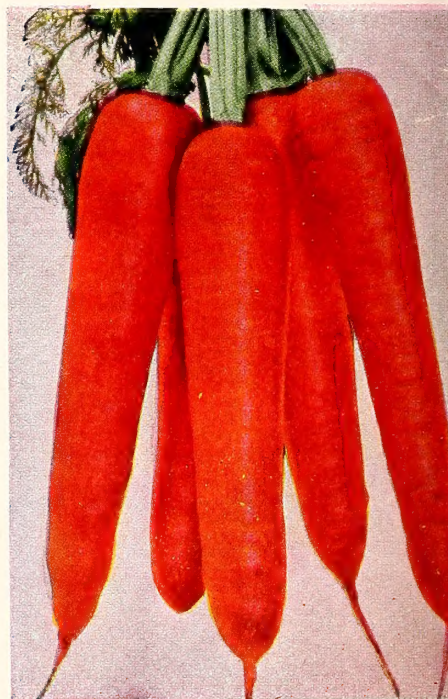
**PORTER-WALTON CO.
SEEDMEN·NURSERYMEN**



APPRECIATION

On this our 40th year we wish to express our sincere gratitude for your loyalty and help.

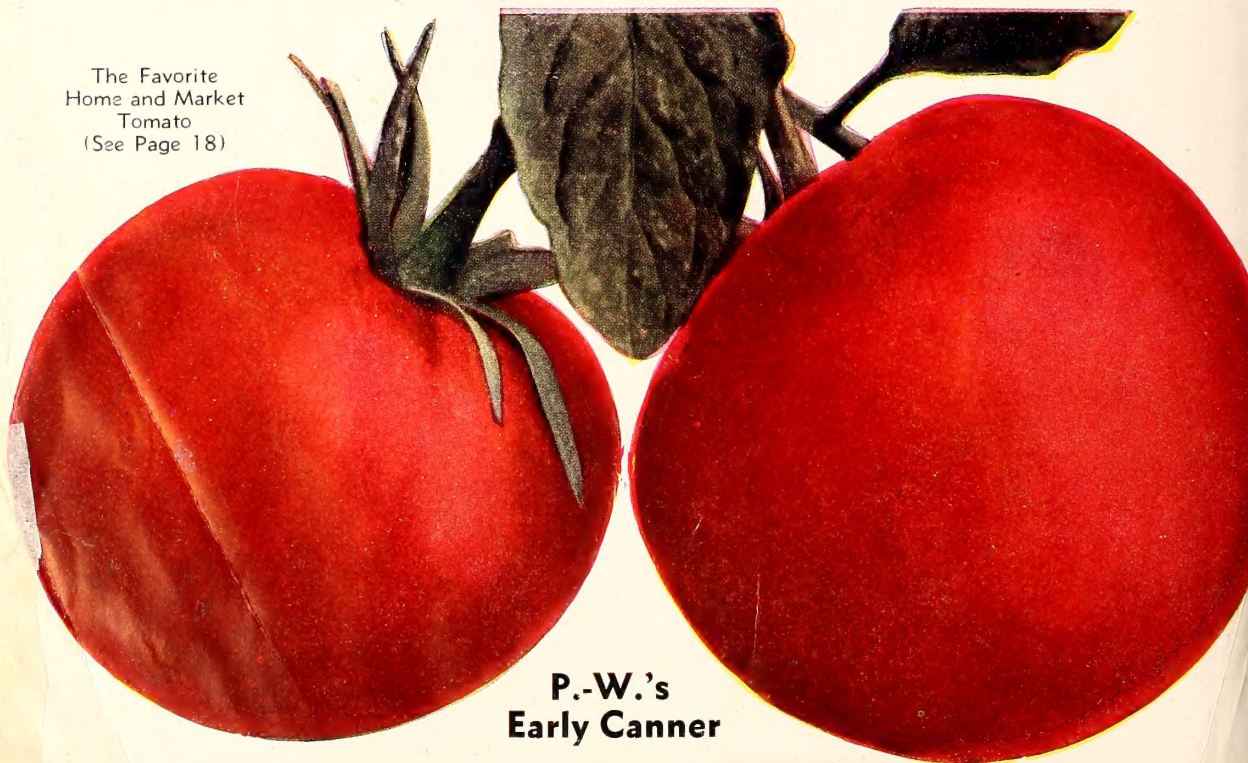
As always, our aim is to render better service, to maintain and improve the quality of our stock.



EMPEROR CARROT

(See Page 7)

The Favorite
Home and Market
Tomato
(See Page 18)



**P.-W.'s
Early Canner**

APPRECIATION

TO OUR CUSTOMERS:

Your loyalty and patience under the abnormal conditions of the last two years is sincerely appreciated. Your orders that were sent early allowed our reduced staff more time in which to complete the season's work.

During the past year still more of our skilled

men have been called into the Armed Service. Transportation facilities, too, are carrying peak loads with fewer men on the job, indicating that deliveries may be delayed in many cases. In view of these conditions we urge you to, again, mail your orders as early as possible.

TERMS AND CONDITIONS OF SALE

Our terms are CASH WITH ORDER. C.O.D. orders will be accepted only if accompanied by cash payment of 25% of the amount of the order.

PRICES published in this list are based on present market conditions and are subject to change without notice. All items are priced f.o.b. Salt Lake City. In all cases our prices conform to, or are below the ceilings established by O.P.A.

MINIMUM ORDER

The proportionate cost of billing, assembling and shipping orders amounting to less than \$1.00 is prohibitive and actually results in a loss. Therefore, orders for less than

\$1.00 will not be accepted unless accompanied by an additional 25c service charge.

We GUARANTEE all of our stock (seeds, bulbs or plants) to be true to name and to reach the customer alive and in good condition. If, on receipt, stock should appear otherwise, or in case of damage or error, a claim and report must be made within 5 days. We cannot be held responsible for cultural failures.

Furthermore, we give no warranty, express or implied, as to the productiveness of any seeds, bulbs and plants we sell and will not be in any way responsible for the crop. Our liability in all instances is limited to the purchase price of the seeds, bulbs or plants.

MAKING OUT THE ORDER

Please use the enclosed order blank which folds into a self addressed envelop. Extras furnished on request. When it becomes necessary to make additional explanation or inquiry, please do so on a separate sheet of paper.

Print your name very distinctly, indicating whether Mr., Mrs., or Miss. Married ladies should use the husband's name or initials. Give your full post office address including the new postal zone number if you have one.

For express or freight shipments be sure to give your nearest railroad station or express office if different from your post office.

How to Send Money. Money is most conveniently and safely sent in the form of a post office money order, express order or check. We will accept personal checks for over \$1.00. It is not safe to send silver or currency. Do not send stamps.

See above information regarding C.O.D. orders.

If we cannot supply certain items on your order, we will refund the money sent for them unless you give us permission to substitute another variety.

TRANSPORTATION

ALLOW PLENTY OF TIME FOR YOUR ORDER TO REACH YOU

Transportation charges on all classes of merchandise in this catalog must be paid by the purchaser. Shipments weighing over 5 pounds and beyond the 4th zone, and over 20 pounds beyond the 2nd zone, travel cheaper by express. If your order does not specify "Mail, Express or Freight" (rail or motor truck) or does not include postage, we reserve the right to route the shipment according to our best judgment.

EXPRESS

Express is one of the most practical methods of shipping plants, roots and trees. The fastest passenger trains carry express shipments. Insurance against damage or loss of parcels valued at \$50.00 or less, and special careful handling of perishable shipments is given at no extra cost. The express company will also deliver your order to you or notify you by telephone or postal card of its arrival. Send no money for express charges. They will be collected when delivery is made.

FREIGHT

For heavy shipments (100 pounds or over) freight is the most economical method of delivery.

Specify rail or motor truck, whichever serves you best. Send no money for freight charges (except where it is necessary shipments go prepaid). They will be collected when delivery is made at destination.

PARCEL POST

Approximate shipping weights are given on items for which no definite packing and postage rate is stated. The following table shows the correct amount of postage to send for a given weight to be mailed to any point within the 4th zone.

Shipping Weight	Zones			
	1 & 2 not over 150 miles	3 150 to 300 miles	4 300 to 600 miles	
1 lb. _____	\$.09	\$.10	\$.11	
2 lbs. _____	.11	.12	.15	
3 " _____	.12	.14	.18	
4 " _____	.13	.16	.22	
5 " _____	.14	.18	.25	
6 " _____	.15	.20	.29	
7 " _____	.16	.22	.32	
8 " _____	.17	.24	.36	
9 " _____	.18	.26	.39	
10 " _____	.19	.28	.43	
11 " _____	.20	.30	.46	
12 " _____	.22	.32	.50	
13 " _____	.23	.34	.54	
14 " _____	.24	.36	.58	
15 " _____	.25	.38	.61	
16 " _____	.26	.40	.65	
17 " _____	.27	.42	.68	
18 " _____	.28	.44	.72	
19 " _____	.29	.46	.75	
20 " _____	.30	.48	.79	
21 " _____	.31	.50	.82	
22 " _____	.33	.53	.87	
23 " _____	.34	.55	.90	
24 " _____	.35	.57	.94	
25 " _____	.36	.59	.97	

P.W.'s MOUNTAIN-GROWN VEGETABLE SEEDS



from Irrigated Western Valleys

ASPARAGUS SEED

An ounce of seed will sow 75 ft. of row and produce about 250 plants.

Sow the seed in the early spring. When roots are one to two years old, transplant to permanent location. Given care, a bed of 500 sq. ft. provides for an average family for 8 to 10 years.

Mary Washington—An early rust-resistant variety that is a heavy producer. The shoots are of rich dark green with tightly folded tips. Introduced by the U.S.D.A., and surely the best strain grown. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.35; 10 lbs., \$12.50.

New Paradise—Produces a normal crop one year earlier. This new sensational variety has been tried and proven by commercial Asparagus growers. Heavy cropper, finest quality, commands top prices. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

ASPARAGUS ROOTS

75 roots plant 100 feet of row.

Mary Washington—2-year-old roots fresh dug. 10 for 65c; 50 roots, \$2.65; 100 roots, \$4.75; 1000 roots, \$40.00.

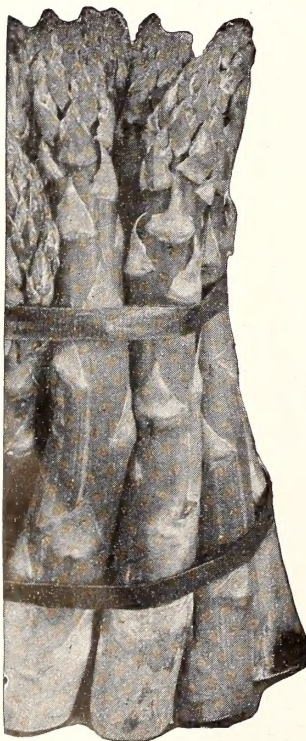
New Paradise—Two-year-old roots freshly dug. 10 for 80c; 50 for \$3.20; 100 for \$5.75; 1000 for \$50.00.

By Mail—Add postage, 10c for 10; 20c for 50; 30c for 100; \$1.25 for 1000.

ARTICHOKES

1 peck plants 100 feet of row.

Jerusalem (Tuberous Rooted)—For hog pasture. When once established they increase rapidly. Culture same as potatoes, except roots may be left in soil over winter. 10 lbs., \$1.20; 100 lbs., \$8.50. By mail, add 30c for 10 pounds.



New Mary Washington

1945

VICTORY GARDEN VEGETABLES

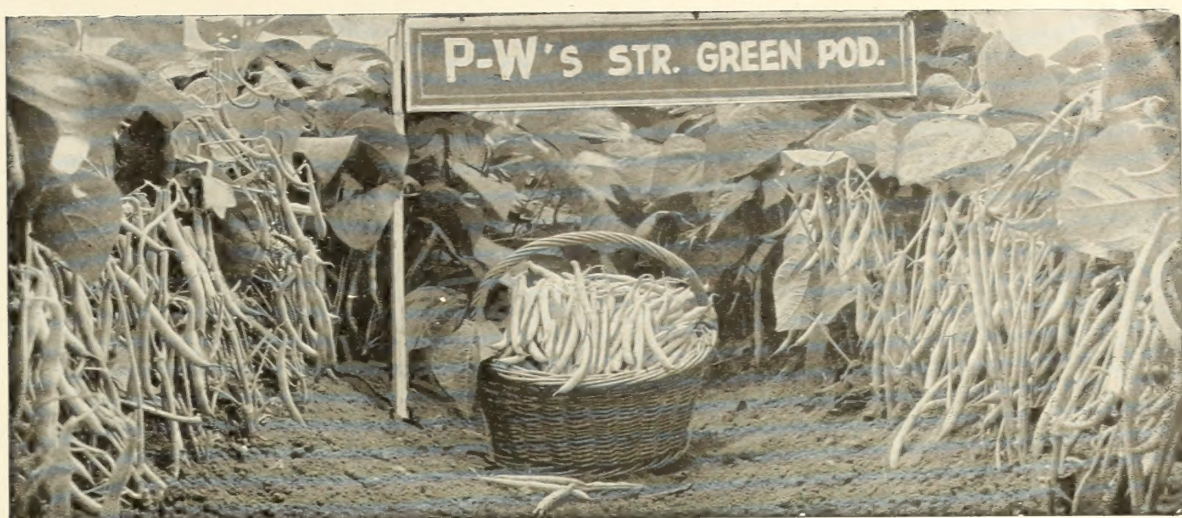
SPECIAL No. 504

The following "Mountain Grown Seeds" in practical quantities for the average family's home garden. (See front cover.)

- 1 lb. Beans, Lima Fordhook
- 1 lb. Beans, Pencil Pod Black Wax
- 1 oz. Beets, Detroit Dark Red
- 1 oz. Carrot, Chantenay Red Cored
- 1 pkt. Cucumber, Colorado
- $\frac{1}{4}$ lb. Corn, Golden Cross Bantam
- 1 pkt. Lettuce, Early Curled Simpson
- $\frac{1}{2}$ oz. Onion, Crystal White Wax
- 1 lb. Peas, Giant Stride
- 1 pkt. Peppers, California Wonder
- 1 oz. Radish, Crimson Giant
- 1 pkt. Tomato, Stokesdale
- 1 oz. Turnip, Purple Top White Globe

SPECIAL PRICE \$2.35

Orders for mail shipment must include 15c for packing and postage.



STRINGLESS BEANS

DWARF GREEN POD TYPES

1 pkt. plants, 30 ft.; lb., 150 ft.; 60-75 lbs., an acre

P.-W.'s Stringless Greenpod or Tendergreen—53 days.

Our stock of this variety has become so popular with our customers that today it stands out as the leading stringless green pod sort. Pods are 6-6½ in. long, and are absolutely stringless and free from fiber. They are nearly straight, dark green, and round. Plants are hardy, disease resistant, and dependable croppers.

Landreth's Stringless Greenpod (52 days)—Replaces Burpee's Stringless. The pods of this excellent green bean are stringless, fiberless, straight, and 6 to 6½ inches long. There are no indentations in the pods and they hold their deep green color longer. The foliage and growth are similar to Burpee's Stringless Greenpod, but are darker green, more vigorous and more productive.

Market gardeners and shippers find this bean to be one of the most profitable.

Stringless Black Valentine—49 days. Well adapted for early shipping. Plants large, erect and prolific; attractive oval pods nearly straight, dark green, entirely stringless. It retains its color and texture in shipping a long distance. One of the best market beans and a profitable one to grow.

DWARF WAX PODDED BEANS

Sow Same as Green Pods

Pencil Pod Black Wax—52 days. The best round-podded Wax Bean for the home gardener or market. Extremely productive, bearing magnificent straight, pencil-shaped pods, six to seven inches in length, of a rich golden-yellow color; beautifully rounded, meaty, fresh, brittle, solid and entirely stringless. Our stocks are carefully selected for vigor, high yield and true type.

Price: Any of above yellow or green pod, Pole, Soy and Broad Windsor beans—6 oz. Pkt., 20c; 1 lb., 40c; 3 lbs., \$1.10; 5 lbs., \$1.65.

Add postage at zone rates.

POLE BEANS

A packet of these beans will plant 120 feet of row.

Blue Lakes—Used extensively by Intermountain and Pacific Coast canners for an asparagus type pack of green beans. Splendid for home use and will command high prices on local markets. Good climber, heavy producer, pods 5½ in. long, ½ in. wide, and almost ½ in. thick. Very fleshy, brittle, and tender.

Ideal Market (Pole)—The vines grow 3½ feet tall, have fine foliage and produce tender, silver green pods. 5 inches long.

Kentucky Wonder or Homestead—65 days. The pods are thick, meaty and deeply saddle-backed and entirely stringless. The best for all purposes.

BROAD WINDSOR BEANS

Long Pod Fava—An improved variety having long pods with 4 to 5 large flat beans which are very good cooked either green or dry. They are very hardy and should be planted as soon as the ground can be worked in the spring.

EDIBLE SOY BEANS

Bansei (Earliest Soy Bean)—96 days. One of the earliest and most productive of all and very adaptable in its growing requirements; it will produce crops in nearly any section of the country. Plants grow 24 in. high and do not require support. They are literally loaded with pods. Seeds are bright green while young and yellow when mature.

Manchu—See page 76.

QUANTITY PRICES

f.o.b. Salt Lake City

	10-49 lbs. per lb.	50-99 lbs. per lb.	Bag lots 100 lbs.
New Stringless Tendergreen	.25	.24	\$23.00
Landreth's Stringless	.24	.23	22.00
Stringless Black Valentine	.23	.22	21.00
Pencil Pod Black Wax	.25	.24	23.00
Pole Blue Lakes	.26	.25	24.00
Pole Ideal Market	.26	.25	24.00
Pole Kentucky Wonder	.26	.25	24.00
Long Pod Fava	.22	.21	20.00
Soy Bansei	.22	.21	20.00

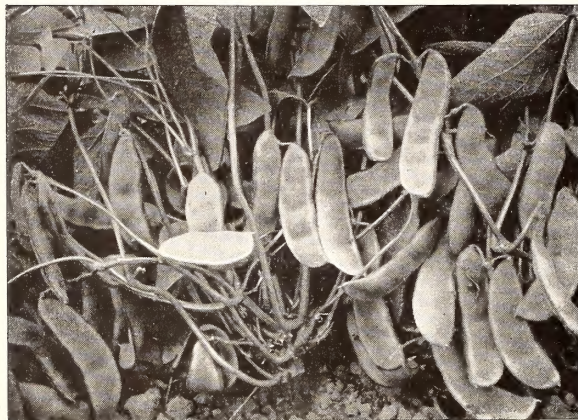
LIMA BEANS—Bush and Pole

*A pound of Lima seed will plant 100 ft. of row,
about 60 lbs. an acre.*

Early Market Bush—63 days. This new, large, flat-seeded Lima bean offers extra advantages to intermountain growers because of its early maturity and its ability to yield under hot weather conditions. It was introduced as an outstanding variety in 1943 by the U.S.D.A.

Fordhook—75 days. Plant is strong and erect; never straight or running. Heavily productive. The pods are borne in clusters of 4 to 8 each. Pods are 4-5 in. long, $1\frac{1}{4}$ in. wide, and as much as $\frac{1}{2}$ in. thick, containing 3 to 4 seeds.

Price—Either of above, 6 oz. pkt., 20c; 1 lb., 45c; 3 lbs., \$1.25; 5 lbs., \$1.90.



Fordhook Bush Lima

Henderson Bush (Baby Lima)—65 days. An early productive sort. Pods about $2\frac{3}{4}$ in. long, containing 2 to 4 beans of fine quality. Used for canning and dry beans.

King of the Garden (Pole Lima)—88 days. A vigorous climber and heavily productive. The most popular and most widely used Pole Lima. The beans are oval and fairly plump, pale green at the tender stage and greenish white when mature. Very delicious at either stage.

Price of Henderson and King of the Garden, 6 oz. pkt., 20c; 1 lb., 40c; 3 lbs., \$1.10; 5 lbs., \$1.65.

QUANTITY PRICES

f.o.b. Salt Lake City

	10-49 lbs. per lb.	50-99 lbs. per lb.	Bag lots 100 lbs.
Early Market Bush	.32	.31	30.00
Fordhook	.30	.29	28.00
Hendersons Bush	.25	.24	23.00
King of the Garden (Pole)	.26	.25	24.00

FIELD BEANS

Great Northern (University of Idaho No. 15 Certified)—A superior "Mountain Grown" strain developed through careful selection and standardization. 50-99 lbs., 12c per lb.; 100 lbs., \$11.00.

Idaho Red (University of Idaho No. 3 Certified)—An improved strain of the common Idaho Red. Superior in every way. 50-99 lbs., 12c per lb.; 100 lbs., \$11.00.

Pinto—Very popular in the Southwest. 50-99 lbs., 11c per lb.; 100 lbs. \$10.00.

Price: any of above, 1 lb., 20c; 5 lbs., 85c.

Pink Eye—Quite large beans of unexcelled quality. 1 lb., 40c; 5 lbs., \$1.75; 50-99 lbs., 21c per lb.; 100 lbs., \$20.00.

BEETS

An ounce of seed will sow 60 feet of row; a packet, 15 feet; 10 lbs. will plant an acre in rows spaced 14 inches apart.

Detroit Dark Red (Perfected Strain)—This beet is one of the most outstanding selections of Detroit Dark Red for dark, uniform, interior color. The root is globe shape, slightly flattened at base. Especially adapted for market gardens and possessing excellent canning qualities. Tops are fairly large, leaves dark green, tinged with dark red. This variety is a good grower and heavy cropper.

Early Crosby Egyptian (Dark Red Strain)—50-55 days. An extra early variety; splendid for home gardens or market. Tops medium in size; roots flattened, globe shape with small tap root. Color is very dark red; flesh crisp and tender.

P.-W.'s Early Wonder—50 days. The earliest of the table varieties. It is globe shaped and very uniform in size, skin smooth, flesh a deep blood-red.

Early Flat Egyptian—Several days earlier than other early varieties. Used for forcing to reach the earliest market.

Beet prices—Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$1.85; 10 lbs., \$17.50.

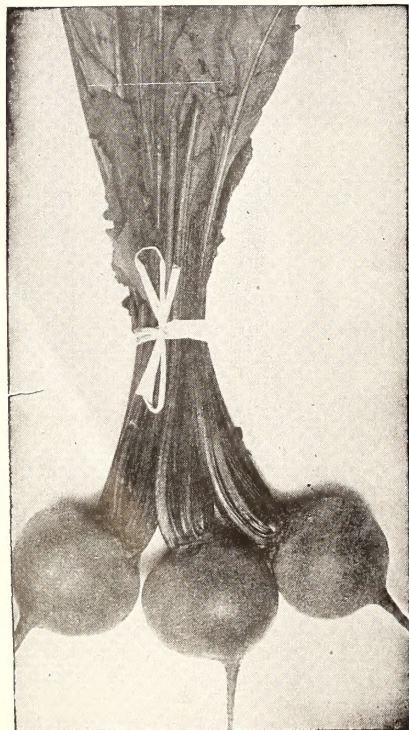
BROCCOLI

Italian Green Sprouting—Cultivated like cabbage, it bears a succession of sprouting heads. Each sprout, about 4 in. long, ends in a small head of deep green buds. It resembles cauliflower except in color. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Broccoli Plants—25c per 10; \$1.25 for 100; 500 for \$3.50. If by mail, add 5c for 10, 15c for 100, 30c for 500.

BRUSSELS SPROUTS

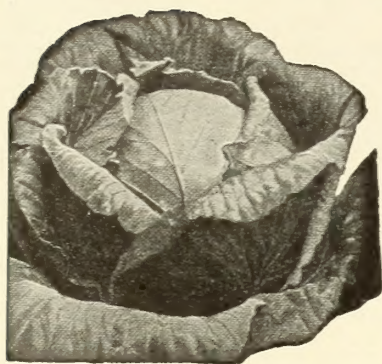
Long Island Improved—The flavor of these small sprouts or heads is more delicate than that of cabbage and the culture is the same. Plants 20 in. tall and stems are well covered with firm, round, cabbage-like balls about $1\frac{1}{2}$ in. in diameter, which mature in succession. Pkt., 10c; oz., \$1.00; $\frac{1}{4}$ lb., \$2.75; lb., \$8.00.



Detroit Dark Red Beet

P.-W.'s SPECIAL CABBAGE STRAINS

An ounce of seed will produce about 3,000 plants if sown in frames.



Copenhagen Market

Copenhagen Market—70 days. This fine early market garden strain will satisfy the most critical trade. Short stemmed, heads uniformly large, round, solid and excellent quality. The light green leaves are always tightly folded; the plants may, therefore, be set closer. Vigorous grower, good yielder and an excellent keeper. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.35; lb., \$4.00.

Danish Ball Head (Short Stem Strain)—We are proud of this stock and fully recommend it to our customers as the most outstanding Danish Ball Head offered anywhere. The heads are nearly round, extremely solid, and remarkably heavy. It is vigorous, uniform, and sure to head. They are outstanding keepers in storage. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.85; lb., \$5.50.

P.-W.'s Early Jersey Wakefield—65 days. The entire crop can be marketed very early; grows compact with nearly oval, deep green leaves. Short stem, medium size, very solid, pointed heads of excellent quality. The best extra early pointed headed cabbage. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.35; lb., \$4.00.

P.-W.'s Golden Acre—60 days. The earliest cabbage. Heads are round like Copenhagen Market, but smaller. Plants are small, short stemmed, and compact. This is one of the most profitable for market growers. Ours is a true strain from the most reputable grower. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.35; lb., \$4.00.

Glory of Enkhuizen—80 days. Widely used for kraut and for shipping. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.35; lb., \$4.00.

Premium Flat Dutch—105 days. Heads large, flat but deep, and solid. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.35; lb., \$4.00.

Perfection Drumhead—90 days. This is the leader of the Savoy types. Pkt., 10c; oz., 70c; $\frac{1}{4}$ lb., \$2.00; lb., \$6.00.

Red Stonehead—110 days. The largest and best red cabbage. Pkt., 10c; oz., 70c; $\frac{1}{4}$ lb., \$2.00; lb., \$6.00.

CABBAGE PLANTS

Golden Acre, Copenhagen Market, and Danish Ball Head—10 for 25c; 100 for \$1.25; 500 for \$3.50; 1000 for \$6.00. If by mail add 5c for 10, 15c for 100, 30c for 500, 50c for 1000.

CHINESE CABBAGE

Big producer. Splendid greens for poultry or salads.
Pe-Tsai—15-18 in. tall. **Wong Bok**—8-10 in. tall.
Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.25.

CARROTS

An ounce will sow 300 ft. of row; a packet, 60 feet; 2 to 4 lbs., an acre.

Chantenay, Sp. Long Type—70 days. It grows about an inch longer and has a smaller shoulder than Red Cored Chantenay. Our stocks are a highly refined Red Cored strain developed for a market gardener's bunching carrot. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 80c; lb., \$2.50; 10 lbs., \$24.00.

Chantenay Red Cored—70 days. An improvement over the old style Chantenay, for market and canning. The flesh and core are reddish-orange, fine-grained, and tender. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 80c; lb., \$2.50; 10 lbs., \$24.00.

Nantes (Coreless)—68 days. Used extensively for bunching and busheling. Very attractive, 6-7 in. long, smooth, cylindrical, and stump-rooted. They are entirely coreless and exceptionally fine quality. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 90c; lb., \$2.75; 10 lbs., \$26.00.

Imperator—77 days. An outstanding bunching carrot. The carrots are often eight inches long, smooth, somewhat tapering, and deep orange in color. We offer the pure strain. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 80c; lb., \$2.50; 10 lbs., \$24.00.

Danvers Half Long—75 days. A heavy cropper for home and market garden. Roots, 6-8 in. long, and about $\frac{1}{4}$ in. in diameter, tapering to a blunt end. Flesh bright orange, crisp and tender. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 80c; lb., \$2.50; 10 lbs., \$24.00.

Oxheart (Guerande)—75 days. Thick and blunt-rooted, about 5 inches long; a rapid grower. Color, orange red. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 80c; lb., \$2.50; 10 lbs., \$24.00.

Improved Long Orange—Roots scarlet orange. Heavy cropper. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$2.50; 10 lbs., \$24.00.

Mastodon or Short White—Most productive for stock feeding. $\frac{1}{4}$ lb., 70c; lb., \$2.00; 10 lbs., \$19.00.



Nantes Carrot

CAULIFLOWER

An ounce of seed will produce 1,500 to 2,000 plants in open ground or about 3,000 in frames.

P.-W.'s Perfection (Super Snowball)—65 days. It is adapted for either early or late Fall use. It possesses all the good qualities of the best Early Snowball strains. The leaves are longer and enfold closely over the heads. The inner leaves almost cover the snow-white heads, bleaching them nicely. Pkt., 10c; $\frac{1}{2}$ oz., \$2.00; oz., \$3.50; $\frac{1}{4}$ lb., \$10.00; 1 lb., \$30.00.

New Snowdrift—Also known as "White Mountain" and "Improved Holland Erfurt," which our tests show are merely other names for this splendid variety. This strain will produce a more satisfactory yield under extreme weather conditions than any other Snowball strain we know. The heads are somewhat larger than the old type Snowball, and it matures with more evenness. Pkt., 10c; $\frac{1}{2}$ oz., \$2.00; oz., \$3.50; $\frac{1}{4}$ lb., \$10.00; lb., \$30.00.

CAULIFLOWER PLANTS

Strong plants of **P.-W.'s Perfection (Super Snowball)** will be ready after April 15th. 10 for 30c; 100, \$1.50; 500, \$5.00; 1000, \$7.50. If by mail, 5c per 10; 15c per 100; 30c for 500; 50c for 1000 for packing and postage.



Snowdrift Cauliflower

CELERY PLANTS

Strong plants of **P.-W.'s Improved Utah**, transplanted and grown in flats, hardened off to be ready after May 15th. 10 for 35c; 100 for \$2.00. Express recommended for green vegetable plants. If by mail add 5c for 10; 15c for 100.

CELERY

One ounce, 1,500 plants; half-pound to transplant an acre.

P.-W.'s Improved Utah—The far-famed Utah Celery so much in demand. 125 days. Developed by the local gardeners. Its superior qualities give it exclusive control of the local celery market. It has double the amount of heart of any known celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a creamy white. Ribs perfectly solid, crisp and of a delicious nutty flavor. Our true strain produces the most uniform, large, compact plants of any stocks produced in Utah. Pkt., 10c; $\frac{1}{4}$ oz., 40c; oz., \$1.25; $\frac{1}{4}$ lb., \$4.00; lb., \$12.00.

Golden Self-Blanching—Of quick growth, easy and self-blanching character, combined with handsome appearance and crisp, sweet flavor. It is a good early Celery for home gardens and local market. Pkt., 10c; oz., \$1.00; $\frac{1}{4}$ lb., \$2.75; lb., \$8.00.

P.-W.'s Wonderful or Golden Plume—110 days. Rightly named "Wonderful." Distinct type, ten to twelve days earlier than Golden Self-Blanching and very much superior. Plants are very large in size, short, stout, stocky, and full of heart. Blanches easily. Pkt., 10c; oz., \$1.00; $\frac{1}{4}$ lb., \$2.75; lb., \$8.00.

CELERIAC—Turnip Rooted Celery

Giant Smooth Prague—This really delicious vegetable should be in every home garden. It is a kind of Celery which forms large bulb-like roots. The bulbs when cut into cubes, boiled and served with a cream sauce are delicious. It has a pleasant, nut-like celery flavor. Pkt., 10c; oz., 90c; $\frac{1}{4}$ lb., \$2.75; lb., \$8.00.

CHICORY

Asparagus or Radichetta—Fast growing annual; grown for tops which are used for greens; tender flower shoots also used. Also known as Italian Dandelion.

Large Rooted or Coffee—The roots, when dried, are used as a coffee substitute. The young leaves may be used in salad. Sow seeds early in spring in rows about 2 ft. apart. Roots grow 12-14 in. long and 2 in. thick at top, tapered.

Either of above—Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

CHIVES

An onion-like plant used as a salad and for flavoring soups. One sowing will last for about three years. Pkt., 10c; $\frac{1}{4}$ oz., 35c; oz., \$1.00.

Plants—Strong clumps, 3 for 70c; 10 for \$1.85; add postage 15c for 3; 40c for 10.



P.-W.'s Improved Utah

SWEET CORN

One pound will plant about 400 hills; a packet, 100 hills; 12 lbs., an acre.

HYBRID VARIETIES

The Hybrid sweet corns have several advantages over ordinary open-pollinated corns. Their deeper, more vigorous root system gives them greater drouth resistance and higher yield. The ears mature uniformly, are true to type and of excellent flavor.

Marcross C6.13—Early hybrid. The 5-foot stalks produce 8-inch, 10 to 14-rowed, golden yellow ears well filled to the tip in 74 to 77 days, or almost as early as Golden Early Market. As both parents are highly disease-resistant, Marcross C6.13 is doubly protected against disease. Usually over 85 per cent of the ears are marketable.

Bancross C13—80 days. This is a top cross between Improved Golden Bantam and inbred of the Golden Early Market, giving this variety increased earliness of the Early Market and retaining the good points of the Improved Bantam. Stalks grow 5 feet high and bear good roasting ears 80 days from planting.

Golden Cross Bantam—93-95 days. The most prolific of the yellow sweet corns; produces at least 40% more good marketable ears than ordinary stocks. The ears are considerably larger than Golden Bantam, containing 10 to 14 rows of kernels, slightly lighter in color. The plant is sturdy, with broad, dark green leaves.

Ioana—Large Eared—Midseason—Wilt Resistant Hybrid—86 days. The ears are large, slightly tapering, mostly 8 to 9 inches long with 12 to 14 rows of

creamy yellow, medium deep kernels, which fill the ear well at the tip. These ears are of fine quality, being sweet and tender. Some growers prefer it even to Golden Cross Bantam.

Spancross—70 to 73 days. One of the earliest Hybrids. Produces medium sized ears with 10-12 rows of medium depth kernels of good flavor and quality. Plants are well rooted, resistant to bacterial wilt, and grow 4½-5 feet tall.

Prices—All Hybrid Sweet Corns—4 oz. pkt., 20c; 1 lb., 60c; 3 lbs., \$1.65; 5 lbs., \$2.50.

HYBRID POP CORN

"The perfect Wartime Confection"

New Hybrid South American—The latest development in pop corn. It produces about 15% more per acre than ordinary varieties and far surpasses them from the standpoint of quality, flavor, tenderness, and popping expansion. The kernels are yellow and when popped appear to have been sprayed with butter. Plant 6 to 12 pounds per acre.

Price—1 lb., \$1.00; 2 lbs., \$1.90; 5 lbs., \$4.50.

OPEN-POLLINATED VARIETIES

Golden Bantam (True 8-rowed stock)—72 days. America's most popular sweet corn. Eight rows of even, broad, fairly deep golden kernels of most delicious flavor. Ears, 7-8 inches long; stalk averages 5 ft. An excellent selected northern strain, hardy and well known.

Improved Bantam—67 days. About a week earlier than the 8-row Bantam and equal in flavor. Ears 6-7 inches in length, with 10-12 rows of deep yellow kernels. Produces well under adverse conditions. Fine for garden and market.

Golden or Bantam Evergreen (Also called Golden Rod)—89 days. Cross between Stowell's Evergreen and Golden Bantam. Plants, 6-7 ft. high; ears 8-10 inches in length, filled with 12-14 rows of medium width kernels, tender and of excellent flavor. It is the most important open-pollinated late variety, appearing on the market when most other yellows are over-mature.

Golden Sunshine—65 days. The ears are medium long and plump, 7-8 in. and 10-12 rows of fine quality corn. Plants,

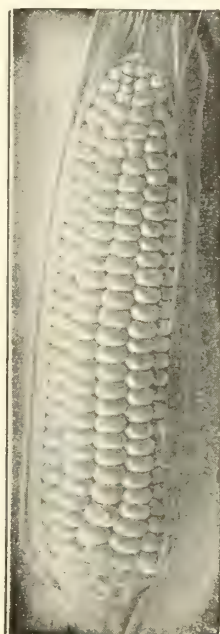
5-5½ ft. tall with one to two ears per stock. This is one of the earliest; our tests showed within a day or two of Golden Early Market. It possesses a superior flavor.

Stowell's Evergreen—98 days. The best known late white variety. The ears are about 7-8 inches long, 14-20 rowed. Kernels are clear white, deep, rather broad, sweet and tender. Recommended for home use, market growers and canning.

Prices—All open-pollinated Corns—6 oz. pkt., 20c; 1 lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.50.



Marcross C6.13
A leading early Hybrid Sweet Corn



Open-Pollinated Type

QUANTITY PRICES

f.o.b. Salt Lake City

	10-24 lbs. per lb.	25-99 lbs. per lb.	Bag lots 100 lbs.
Golden Cross Bantam .....	.35	.34	\$33.00
Ioana .....	.35	.34	33.00
All other Hybrid Sweet Corn .....	.37	.36	35.00
All Open Pollinated Corns .....	.22	.21	20.00

CUCUMBERS

One pkt. will plant 20 hills; ounce, 75 hills; 2 to 3 pounds an acre.

A & C—Long, slender, dark green. This new cucumber has rapidly become very popular. The cucumbers are 8 to 9 inches long, well proportioned, smooth and dark green in color. They make a very fancy pack. The vines are strong, healthy, and productive. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$2.50.

Boston Pickling—Very productive, extensively grown for pickles. Very smooth and symmetrical—flesh crisp and tender. It continues to be the most popular for home use. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$1.75.

Colorado—60 days. The finest slicing cucumber. Beautiful, long, slender, dark green fruits, 9-12 in. long, that bring the highest prices on the critical markets. Popular because of its fine shape and intense color, which is maintained longer than that of most varieties. A heavy yielder. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$2.50.

Cubit—This winner of the 1944 All-American Selections Bronze Medal, is a dark green white spine, cylindrical cucumber with rounded ends. Its handsome appearance and firm white flesh are retained for a long time after picking. It is a prolific bearer, producing more and better fruits for early picking. Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$3.00.

Improved Long Green—62 days. Very vigorous and productive. Fruits long, uniformly slender, beautiful dark green. The stock we offer is second to none. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$2.25.

Improved White Spine—58-62 days. Its earliness and productivity have kept this strain among the leaders. The fruits are medium long, medium green and medium in thickness of flesh. Good flavor and quality. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$1.75.

Straight Eight—A very prolific long white spine. Popular because of the large yield of fine straight cucumbers, which are 8 to 9 inches long, smooth and somewhat blunt ended. The color is medium dark green. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 80c; lb., \$2.50.

West Indian Gherkin—50 days. It is quite distinct from Cucumber; is used for very small pickles. Fruits are about 2 in. long, 1 in. in diameter. Pkt., 10c; oz., 30c.

COLLARDS

Georgia Southern or Creole—This is a tall, loose-leaved cabbage-like plant. Grown for table greens and for stock or poultry feeding. Sow seed early in rows and transplant or thin to 4 in. in the row. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

CRESS

$\frac{1}{2}$ ounce to 100 feet of row.

Extra Curled or Pepper Grass—Sold out.

DILL

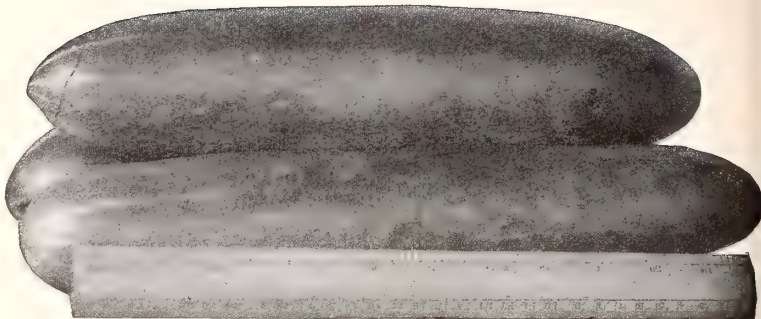
See herbs on opposite page.

EGG PLANT

One ounce grows 1,000 plants.

Black Beauty—Earliest and best of all large fruited Egg Plants. The grand, large fruits are thick and most attractive; deep and rich color. Pkt., 10c; oz., 75c; $\frac{1}{4}$ lb., \$2.25; lb., \$7.00.

Plants—Black Beauty plants grown in flats will be available after April 15th. 10 for 35c; 100, \$2.00. If by mail add 5c per 10; 15c for 100, for packing and postage.



Colorado—the Finest Slicing Cucumber

For Earlier Cucumbers, Egg Plants, Melons, Peppers and Tomatoes, use—

HOTKAPS—An Individual Hothouse for Every Plant!

See full details on page 66

ENDIVE

One ounce, 300 feet; 4 to 5 pounds per acre.

A salad vegetable valuable for Winter use. Sow in June or July, in rows, and thin to about six inches.

Broad Leaved Batavian—Broad, more or less twisted and waved green leaves with thick white mid-ribs. Unsurpassed for salad.

Green Curled—Very curly. The mid-ribs being wide and whitish, with the outer edges very much indented. Very attractive.

Either of above—Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50; 10 lbs., \$14.00.

GARLIC

The bulbs should be separated into flakes or "cloves," and planted like onion sets. Bulbs for planting—lb., 50c; 5 lbs., \$2.25.

HORSE RADISH

Roots should be planted small end down and covered with two inches of soil in rows and set 15 to 20 inches apart.

Marliner-Kren—This is considered superior to common Horse Radish. 55c per 10; \$4.00 per 100.



Black Beauty Egg Plant

HERBS—Aromatic and Sweet

Every garden should have a few herbs. Sow early in the spring in carefully prepared soil.

Anise (15")—Seeds and leaves for flavorings.
Caraway (15")—Seed used to flavor breads, etc.
Catnip (20")—Leaves used for flavoring.
Coriander (30")—Seed used in bread and confectionery.
Dill (36")—Seed used in soups and stews. Most used for pickling. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.
Fennel—Stems for salads—Seeds flavor candy.
Horehound—Foliage and roots used for flavoring.
Sweet Marjoram (24")—Used for salads and dressings.
Sage—See page 16.)
Summer Savory (12")—Leaves flavor salads, dressings, etc.

Prices of above, except where noted, Pkt., 10c.

KALE

One packet for 100 ft., 2 lbs. per acre.

A species of cabbage. The leaves are cooked as greens; not injured by frosts. Sow in September in same manner as Spinach.

Dwarf Curled Scotch—Grows very low and compact, with large, bright deep green leaves curled, cut and crimped.

Tall Green Early Scotch—Very hardy, not injured by March frost. About 30 inches tall.

Either of above—Pkt., 10c; oz., 45c; ¼ lb., \$1.35; lb., \$4.00.

KOHL RABI

One ounce of seed sows 300 feet of row.

Sow in rows 18 inches apart, cover ½ inch, and thin to 6 inches apart in the row.

Early White Vienna—Very early, small tops, light green; bulbs medium size, best quality.

Price—Pkt., 10c; oz., 45c; ¼ lb., \$1.35; lb., \$4.00.

LEEK

Seed should be planted in June for good plants in the Fall or Winter.

Giant Musselburgh—Best variety, having good thick stems which are also long, vigorous and mild flavored.

Pkt., 10c; ½ oz., 45c; oz., 80c.



Dwarf Curled Scotch Kale

MUSHROOM SPAWN

Mushrooms may be grown by anyone having a shed or cellar where a temperature of 50 to 60 degrees is evenly maintained. Ask for free cultural directions leaflet.

Pure Culture Spawn—One brick, 45c; 5 bricks, \$2.00; 10 bricks, \$3.50.

MUSTARD

An ounce plants 50 feet of row.

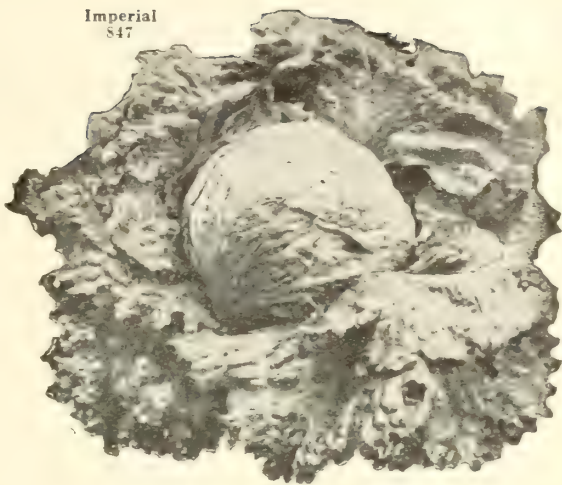
Excellent greens cooked the same as Spinach. Sow in drills early in the Spring, and at intervals during the Summer.

Giant Southern Curled—Curled leaf, large.

Fordhook, Fancy—Beautiful dark green curled leaves with a very mild, pleasing flavor.

Either of above—Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Imperial
847



LETTUCE

An ounce of seed will sow 250 ft. of row; about 2 lbs. an acre.

Great Lakes—A really superior lettuce, winning top place in the All-America Selections for 1944. Being very resistant to tip burn, able to withstand heat and sun, and remarkably slow to throw a seed head, Great Lakes is already the most popular summer lettuce. The heads are large, crisp and very attractive. Pkt., 15c; ½ oz., 40c; 1 oz., 70c; ¼ lb., \$2.00; 1 lb., \$6.50; 10 lbs., \$62.50.

Imperial No. 847—This new Imperial strain is especially fine for late Spring and Summer growing. It is a black seeded variety that shows a remarkable resistance to heat. Plants, medium sized, low growing, and compact. Large, firm heads, dark green, and of high quality. Pkt., 10c; oz., 35c; ¼ lb., \$1.15; lb., \$3.40; 10 lbs., \$33.00.

Imperial No. 44—Surest Heading "Iceberg" Lettuce—This new lettuce has proved to be the outstanding "Iceberg" Lettuce to grow. It is the variety which does best on a wide range of soils, both upland and muck, especially on muck. Not only does it head better than any other strains, but has shown definite resistance to tip burn. Try Imperial 44 this year. Pkt., 10c; oz., 35c; ¼ lb., \$1.15; lb., \$3.40; 10 lbs., \$33.00.

Imperial No. 152—Very sure heading type which can be used under a wide range of conditions. Like other Imperial varieties, it is a head lettuce, suitable for long distance shipment. Pkt., 10c; oz., 35c; ¼ lb., \$1.15; lb., \$3.40; 10 lbs., \$33.00.

P.-W.'s New York No. 12—77 days. A single plant selection from the regular New York or Los Angeles market strain. It is early, makes large, solid heads, uniform in maturing. Pkt., 10c; oz., 35c; ¼ lb., \$1.15; lb., \$3.25; 10 lbs., \$31.50.

Hanson—A hardy sort and good for late spring and mid-summer as it resists heat. Plants large with thick leaves. Heads globular, white at heart, crisp and tender. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.35.

Loose Leaf Lettuce

Black Seeded Simpson—45 days. This is one of the best; leaves large, thin, and exceedingly tender.

Early Curled Simpson—45 days. A popular early sort, forming a large, loose head.

Prizehead—47 days. Large, loose headed sort; leaves tinged with brown, very heavy.

Prices on any of above—Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

Cos or Romaine Lettuce

Trianon—66 days. The flavor is different from ordinary and esteemed by many. Tie plants to blanch them or plant closely, 5 inches apart. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

MUSKMELONS OR CANTALOUPES

A packet of seed will plant about 15 hills; an ounce, 75 hills; 2½ lbs., an acre.



Hales Best No. 36

CASABA MELONS

Cultivate same as other melons but do not water too freely after the first setting of fruit is fully grown.

Golden Beauty—105 days. Most popular of the Casabas. It has a bright golden color and deeply wrinkled skin when mature. The flesh is creamy white, sweet and spicy.

Hales Best No. 36—85 days. Size 5½ x 5½", weight about 3 lbs. Shape, slightly oval and very uniform. Desirable for any purpose home, garden, roadside stands, and shipping. Flesh, pink, very thick, richly flavored.

Resistant No. 45 (Also called "Imperial No. 45" and "H. B. No. 45")—86 days. Size 6 x 5½", weight about 4 lbs. It is not only resistant to powdery mildew and the ideal shipping melon, but it is rapidly becoming a leader everywhere. Seed cavity is small, flesh thick and deep colored, delicious flavor. The fact that the seed cannot be jarred loose and remains edible and really better 10 days after picking, makes it a most desirable shipper.

Honey Dew (Gold Rind, Green Flesh)—110 days. Excellent for roadside stands because of attractive color. Very popular because of its honey-like flavor. Fruits are round, about 7 in. in diameter, smooth and hard, suitable for long-distance shipping. Excellent keepers. The thick, green flesh is sweet and tender.

Hearts of Gold Improved—88 days. A fine shipping melon as well as general purpose. Medium size, round, and well netted. Flesh orange-yellow, excellent flavor, firm, and holds up well.

Hales Best No. 936—87 days. This is the Jumbo. It serves well those who desire a large melon of this type.

Rocky Ford (Green Flesh)—95 days. Popular everywhere. Spicy flavor difficult to improve.

Prices on all of above Muskmelons and Casaba—Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00; 10 lbs., \$18.50.

WATERMELON

A packet of seed will plant about 8 hills; an ounce, 25 to 30 hills; 2 to 3 lbs. will plant an acre.

Dixie Queen—85 days. An enormous yielder. Melons are round to oval, skin striped light and dark green; fruits are large; flesh, dark pink of splendid quality. Pkt., 10c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.00.

Kleckley Sweet No. 6 (Wilt Resistant)—88 days. A selected type which has proven almost fully resistant to wilt. Slightly smaller than "Improved Kleckley Sweet," but otherwise identical.

Citron (Red Seeded)—Used for preserves.

Striped Klondike No. 11—90 days. A new selection of the attractive and universally popular shipping melon which carries the highest sugar content of any commercial variety. The rind is thin, but strong; the flesh is solid and a bright red. Average weight is 30 lbs., slightly larger than the parent strain. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.00; 10 lbs., \$19.00.

Green Klondike—90 days. Solid dark green, showing light ribs running lengthwise. Truly delicious. For size and shape see cut of "Striped No. 11." Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.00; 10 lbs., \$19.00.

Early Kansas—85 days. Fine for local markets or home gardens. Fine texture, sweet flavor; flesh rich red, shape nearly round; dark green with lighter stripes.

King and Queen (Winter)—85 days. An excellent shipper. Flesh is sweet and of fine texture. When properly stored, they remain edible for several months. The color is light cream with faint irregular green stripes. Seeds are quite small and very black.

Stone Mountain—85 days. Combines large size with earliness. Weight 50 lbs. or over, broad oval in shape, with crimson flesh. Fine for home or market.

Price, any of above, except where otherwise noted—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50; 10 lbs., \$14.00.

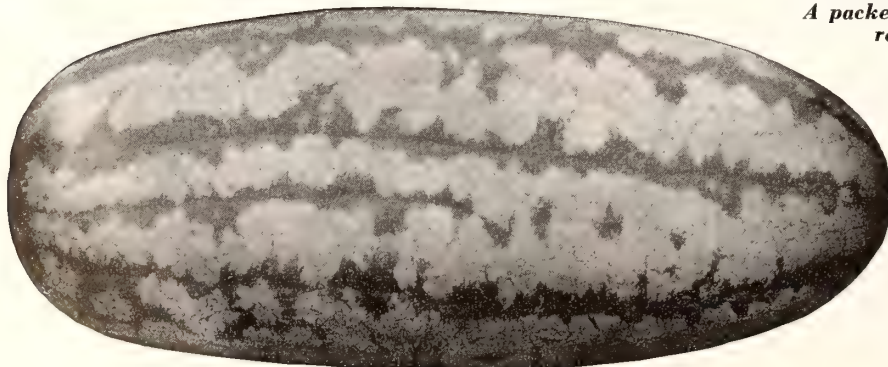
OKRA OR GUMBO

A packet of seed will sow 15 ft. of row; an ounce, 50 ft.

Dwarf Green—50 days. Early dwarf growing variety with dark green pods. Its early maturity and good quality make it popular with market growers.

Clemson Spineless—55 days. An improved Perkins long-podded type. Awarded All-America silver medal in 1939. A very uniform spineless strain; straight pods rich green.

Price of above—Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.



Striped Klondike No. 11

ONIONS

A packet of seed will sow about 25 feet of row; ½ ounce, 100 feet; 3 to 6 lbs., an acre.

Sweet Spanish (Utah Strain)—Hundreds of carloads of Sweet Spanish Onions are dispatched from Northern Utah districts every season. The importance of onions as a major Utah crop necessitates great care in the selection of a superior strain. Today "Utah Strain" is universally acclaimed for its excellence. Its superiority lies in its deep yellow color, uniformity of shape, trueness to type, and fine keeping qualities. They grow large in size with a heavy outside skin and white flesh that is very mild and sweet. Growers know it as the most profitable strain because of heavy yields—20% more marketable onions per acre are not uncommon—and freedom from bottlenecks. Pkt., 10c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.75; lb., \$8.00.

Sweet Spanish (Utah Certified)—Same as above. Sealed and certification tags attached. (One pound minimum sale), lb., \$11.00.

P.-W.'s Mountain Danvers (Also called Oregon Danvers)—A large, semi-globe shaped onion well adapted to high altitudes and short season. It is particularly notable for its hard bulb with thick skin and its excellent storage quality. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.35; lb., \$7.00.

Crystal White Wax—Very large white onion of the Bermuda type. The sweet, mild flavor and large size make it a ready seller on any market. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00; lb., \$6.00.

Southport White Globe—A fine white onion. The bulbs are round, medium large, solid, and pure white. The flesh is waxy white, fine grained, and mild. Keeps well in fall storage. For large market growers, it always commands the highest prices. Pkt., 10c; ½ oz., 45c; oz., 80c; ¼ lb., \$2.50; lb., \$7.50.

P.-W.'s White Sweet Spanish—Similar in shape, size and habits of growth to P.-W.'s Sweet Spanish Onion. It has a beautiful white skin which makes it a desirable onion for market. The flavor is unusually sweet and mild. A fairly heavy yield and the bulbs sell for the top market prices. Pkt., 10c; ½ oz., 55c; oz., \$1.00; ¼ lb., \$3.35; lb., \$10.00.

Yellow Globe Danvers—A popular strain of Yellow Globe. It is hardy, heavy cropping and keeps well in storage. Bulbs medium large, round, yellow, firm. Flesh white, with slight yellow tone. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.35; lb., \$7.00.

Barletta—New seed just arrived. Imported by the U.S. Government from reliable growers in Italy. The first importation since 1940. Bartletta is the best extra early small variety for pickling and green bunching. Pkt., 10c; oz., 35c; ¼ lb., \$2.00; 1 lb., \$6.00.

Southport Red Globe—The leading red onion. Globe-shaped, deep purplish red. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.35; lb., \$7.00.

Southport Yellow Globe—Medium sized, splendid yellow globe, sure keeper. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.35; lb., \$7.00.

White Portugal or Silverskin—An all-purpose variety used in great quantity. Excellent for sets, pickling, green bunching, or for storage. A dependable cropper. Pkt., 10c; ½ oz., 45c; oz., 80c; ¼ lb., \$2.50; lb., \$7.50.



*P.-W.'s
Sweet Spanish
(Utah Strain)*

ONION PLANTS

Young, well-started plants of crystal white wax, white Sweet Spanish, and yellow Sweet Spanish can be supplied between April 15th and May 15th only. Please state on your order when you want the plants shipped. Full crates (approximately 6,000 plants each). Quotation on request. 3 bunches (minimum sale)

(about 300 plants) ——— \$1.10

5 bunches ——— 1.50

10 bunches (approximately
1,000 plants) ——— 2.50

If by mail add 10c for 3 bunches, or 25c for 10 bunches for packing and postage.



Onion Plants

ONION SETS

*A quart (1 lb.) will set
75 to 100 feet of row.*

Onions grown from sets mature 3 to 4 weeks earlier than those grown from seed.

Yellow or white sets, 1 lb., 45c; 5 lbs., \$2.10; 10 lbs., \$4.00.

If by mail add 10c for 1 lb., or 30c for 10 lbs. for packing and postage.



Onion Sets

PEAS

A packet of seed will sow about 10 feet of row; a pound, 100 feet; 100 to 200 pounds, an acre.

Alaska—60 days. Very early, smooth-seeded canning or garden variety. Vines, 30 in.; pods, 3 in., containing 5 to 8 peas.

Bliss Everbearing—76 days. Popular home garden sort. Vines, 30 in. tall; dark green, thrifty, of long bearing period. Pods, 3 in. long, blunt.

Dwarf Alderman—74 days. A true large-podded Alderman type with dwarf sturdy vines. Becoming very popular for main crop. The dark green pods are most attractive and command the highest prices. Vines, 20 in.; pods, 4½ in., dark and pointed.

Giant Stride (Wilt resistant)—75 days. This is the largest podded variety of commercial importance. Especially adapted for the market gardener and shipper. The vine grows 28 to 30 inches tall with large dark green foliage and heavy stem. The pods are 5½ in. long, dark green and plump, containing 8 to 10 large tender peas. **Giant Stride** is an excellent variety for cold storage use.

Hundredfold (Also called Laxtonian and Blue Bantam)—63 days. Dark pod strain. Large blue-green pods, 4½ in. long on dwarf 20 in. dark green, stout vines. Its dwarf habit and large pods containing 6-8 delicious peas, combined with its extreme earliness and heavy production make Hundredfold an outstanding home and market garden pea.

Laxton's Progress—63 days. Produces the largest pods of any of the early dwarf varieties. Popular for long-distance shipping, also for home and market gardeners. We offer a very superior strain of this leading variety. Ordinarily two pickings will clean the vines. Vines, 18 in. tall; pods, 4½-5 in. long, containing 7-9 large, tender peas.

Little Marvel—62 days. An outstanding early dwarf pea for home gardens. Vines 18 in. tall, vigorous, and heavily laden with pods 3 in. long, blunt. They are very attractive peas and are esteemed for their high table quality. The peas are fairly large at table stage.

Number 40—Resembles Stratagem, but 4-5 days earlier; adapted particularly for shippers and market gardeners. Pods dark green, pointed, about 5 in. long.

Stratagem—80 days. Fine late variety for home gardens, market growers, and long-distance shippers. 24 in. vines; 4½ in. pods; color, dark green. A very fine variety and a heavy yielder.

Any of above, 6 oz. pkt., 20c; 1 lb., 35c; 3 lbs., 90c; 5 lbs., \$1.25; 10 lbs., \$2.00.

QUANTITY PRICES

f.o.b. Salt Lake City

	20-49 lbs. per lb.	50-99 lbs. per lb.	Bag lots 100 lbs.
Alaska .....	.17	.16	15.00
Bliss .....	.18	.17	16.00
Dwarf Alderman .....	.19	.18	17.00
Giant Stride .....	.19	.18	17.00
Hundredfold .....	.20	.19	18.00
Laxton's Progress .....	.20	.19	18.00
Little Marvel .....	.19	.18	17.00
No. 40 .....	.20	.19	18.00
Stratagem .....	.19	.18	17.00

Special Long Season Assortment

These early medium and late varieties will produce continuous pickings throughout the pea season.

Alaska, Little Marvel, Laxton's Progress, Giant Stride, and Stratagem.

Special 514A (one 6 oz. packet each of above) 75c

If by mail, add packing and postage, 12c

Special 514B (one pound each of above) \$1.25

If by mail, add packing and postage, 20c



Increase your yield and build up the soil at the same time by inoculating seed peas and all other legumes with Nitragin. 100-lb. size, 50c; 1200-lb. size, \$5.70. If by mail, add 10c per 100-lb. size; 20c per 1200-lb. size, for packing and postage.



Giant Stride

At our trial grounds we select only the best varieties. You cannot afford to risk seed of doubtful origin and quality. Inferior seeds would produce only inferior crops.



Dwarf Alderman

PARSLEY

1 oz. 150 feet of row
3 to 4 lbs. per acre

- Paramount**—Award of Merit, A.A.S., 1935. Very compact with deep, dark green, triple-curved leaves. Plants 12 inches tall and very uniform. Noted for hardiness and ability to hold color; produces no flat leaves.
- Champion Moss Curled**—A vigorous compact sort. Deep green color and attractive foliage. One of the best for market or home use.
- Double Curled**—A standard dwarf variety, having deeply cut and curled leaves.
- Hamburg (Rooted)**—Fleshy roots resembling parsnips. Flesh, white. Roots may be dug and carried through winter like turnips. 100 days.
- Prices, all of above—Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.25.

PARSNIPS

1 oz. for 100 feet
5 to 6 lbs. per acre

- Ideal Hollow Crown**—Our strain of Hollow Crown is the thick shouldered type particularly fine, smooth and regular. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.35; 10 lbs., \$12.50.
- New Harris White Model**—This is considered by all market gardeners who have tried it, an improvement over the Hollow Crown. It is of medium length, smooth, and pure creamy white. The absence of side roots and the ease with which it is harvested are important points in its favor. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.35; 10 lbs., \$12.50.



New Harris Model Parsnip

PUMPKINS

1 oz. 20 hills; 3 lbs. per acre

- Connecticut Field (Big Tom)**—Large orange colored fruits, flat on the ends with smooth, hard rind. For canning or pies, also used largely for stock feed. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.
- Dickinsons**—We are convinced this is the finest pumpkin for canning and feeding. It has a high protein content and flesh twice as thick as Kentucky Field or Large Cheese varieties, which it should replace. It can be canned without the addition of sugar or starch. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.
- King of the Mammoth**—Also called "Jumbo" or "Pot-iron." This is the largest pumpkin. Flesh is thick, yellow, and fine-grained. Used principally for exhibition and stock feeding. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.
- Sugar Pie Pumpkin**—A handsome and productive small pumpkin, ten to twelve inches in diameter; flat-round, skin orange. Flesh deep yellow of fine grain and very sweet. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

PEPPERS

1 oz. per 1,000 plants

- California Wonder XXX Strain**—Has all the qualities desired in a stuffing pepper. Grows 4 inches in length and $3\frac{1}{2}$ inches in diameter. A fine, sweet and tender pepper with very thick walls, Smooth, glossy, green fruits, changing to crimson when ripe. The most uniform and highest quality strain. Pkt., 10c; $\frac{1}{2}$ oz., 55c; oz., \$1.00; $\frac{1}{4}$ lb., \$3.25; lb., \$10.00.
- California Wonder (Regular)**—A very satisfactory pepper for home garden or market. Pkt., 10c; $\frac{1}{2}$ oz., 45c; oz., 80c; $\frac{1}{4}$ lb., \$2.50; lb., \$7.50.
- Calwonder Early**—An early strain of California Wonder maturing a week to ten days earlier than others. The plant is stocky and sturdy, vigorous and prolific, bearing smooth uniform fruits of deep green color and sweet, mild flavor. Packs well because of its uniformity. Pkt., 10c; $\frac{1}{2}$ oz., 45c; oz., 80c; $\frac{1}{4}$ lb., \$2.50; lb., \$7.50.
- Chinese Giant**—A large pepper, yielding enormously. Fruits are a rich dark green, turning to scarlet red when ripe. Thick, mild, and sweet flesh. Pkt., 10c; $\frac{1}{2}$ oz., 60c; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00; lb., \$9.00.
- Anaheim Chili**—A hot late variety, popular because of its agreeable pungency. Fruits are 6-8 inches long, 1 inch wide, tapered; deep green changing to scarlet.
- Long Red Cayenne**—Strong and pungent; fruits about 5 in. long and $\frac{3}{4}$ in. thick, tapering. Especially fine for drying.
- Neapolitan**—Very early, extremely mild and sweet. Measures about 4 in. long and 2 in. wide. Yellowish green changing to red when mature.
- Pimento**—The sweetest pepper grown, as it does not contain the slightest trace of fieriness. Fruits heart-shaped.
- Red Chili**—Small, bright red, hot and pungent. About 2 in. long and $\frac{1}{4}$ - $\frac{1}{2}$ in. wide.
- Any of above, except where especially priced—Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00; lb., \$6.00.

PEPPER PLANTS—Chinese Giant and California Wonder. 35c per 10; \$2.00 per 100; If by mail, add 5c per 10; 15c per 100 for packing and postage. Prices of larger quantities for collect shipment mailed on request.



Calwonder Early—Earliest Red Fruiting Variety

POTATOES

10 lbs., 100 feet of row—800-1000 lbs. per acre.

Seed Potatoes

Bliss Triumph—Early. Tubers nearly round, smooth, reddish-pink, with shallow eyes. They yield enormous crops.
Early Ohio—Very early. Skin light reddish-pink and smooth.
Idaho Russet—The best baking potato. Its pearl white, dry and mealy flesh cannot be surpassed. Late maturing.
Irish Cobblers—The leading early, round, white potatoes. Potato prices are subject to market changes. Write for quotation.



P.-W.'s Mountain Grown Potatoes

Imp. Semesan Bel
 — Controls seed-borne Rhizoctonia and scab. 2 ozs. will treat 6 to 8 bushels. Prices—2 oz. pkg., 30c; 1 lb., \$1.65; 5 lbs., \$7.15.

TREAT WITH QUICK, EASY
SEMESAN BEL

DIP FOR LARGER POTATO CROPS

RADISHES

1 oz., 50 feet of row—3-4 lbs. per acre

Comet (Long Standing)—We are proud to offer this fine round radish to our trade. It is the brightest colored of all table radishes and stays in condition longer without becoming pithy. Color is clear, solid scarlet. Ideal for market garden use.

P.-W.'s Sparkler—The radishes are round, brilliant scarlet with white bottoms. Ready for the table in 20 days from planting. Valuable for forcing under glass, as well as for the open. Skin very smooth, and its color gives an appetizing appearance.

Crimson Giant—29 days (Long standing)—A superior, all-around home and market garden sort. It is the largest of the early radishes, the globular roots often attaining a diameter of 1½ inches without becoming pithy. It is deep crimson in color with white flesh of unexcelled quality, which holds its firmness well.

French Breakfast—24 days. A splendid variety, medium-sized, olive-shaped, very crisp and tender; scarlet color with white tip.

Early Scarlet Globe (Medium Top)—It is preferred for general outdoor culture where a good top is desired for bunching. Rich scarlet color; tender, mild flavor. Bred for uniformity of slightly oval globes. Crisp white flesh of splendid quality.

Icicle—The most popular of all long radishes. Pure white, slender, and tapering in shape. The flesh is crisp; always tender, and of splendid flavor. 27 days.

Radish Prices—Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 10 lbs., \$9.00; 100 lbs., \$85.00.

Winter Varieties

Seed for winter radishes should be sown about the first of August. For winter use, the roots should be pulled and packed in damp sand and stored in a cool cellar.

Chinese Rose—Half-long, flesh pink, solid.

Long Black Spanish—Roots black.

Celestial or White Chinese—Pure white, firm.

Price, any of above—Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

RHUBARB OR PIE PLANT

1 oz. of seed will sow 100 ft. of row

Victoria—Very large and tender. The best variety to plant from seed.

Seed—Pkt., 10c; oz., 35c; ¼ lb., \$1.10; lb., \$3.25.

Roots—18c each; \$1.50 per 10; \$12.00 per 100.

MacDonald Red—This variety is now generally considered the best red Rhubarb obtainable. The stalks are very large and become a bright crimson color. They are tender, of excellent flavor and when cooked they make a beautiful deep pink sauce. The plant is high yielding, strong and robust. Propagated only from divisions. **Strong Roots**, 75c each; 10 for \$6.75; 100 for \$60.00. Postage and packing extra—8c each or 50c for 10.

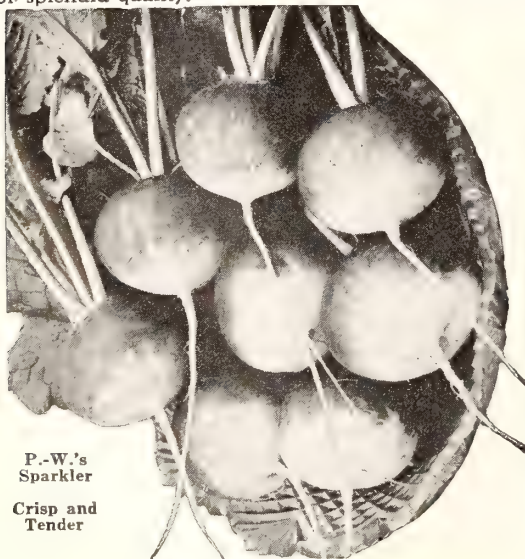
SAGE

An indispensable perennial much in demand for adding flavor to many different kinds of dishes. Used either fresh or dry. Pkt., 10c; ½ oz., \$1.25; oz., \$2.00. One-year plants, 3 for 90c; 10 for \$2.50; 100 for \$18.00. Postage extra, 40c for 10.

SALSIFY

Cultivate the same as carrots. Can remain in the ground all winter for early spring use.

Mammoth Sandwich Island—Grows to a very large size and resembles a good-sized parsnip. Mild and delicately flavored; very popular. Pkt., 10c; oz., 65c; ¼ lb., \$2.00; lb., \$6.00.



P.-W.'s
Sparkler

Crisp and
Tender

SPINACH



Swiss Chard
Fordhook Giant

$\frac{1}{4}$ lb. seed will sow 200 ft.;
12 to 20 lbs., an acre.

P.-W.'s Improved Long Standing Bloomsdale Savoy-Leaved—We offer a wonderfully well-bred strain. Large, deep green, well crumpled leaves which produce enormous crops and stand a long time without bolting a seed. We recommend this variety to spinach growers who demand only the finest.

Prices—Pkt., 5c; oz., 10c;
 $\frac{1}{4}$ lb., 25c; lb., 75c; 10
lbs., \$6.50; 100 lbs.,
\$50.00.



Bloomsdale
Long Standing

SWISS CHARD

$\frac{1}{4}$ lb. of seed will sow 250 ft. of row; 10 lbs., an acre.

Fordhook Giant—The rich dark green leaves are very crinkled, thick, and quite tender, making excellent boiling greens. The wide, pearly-white stems are delicious if prepared like Asparagus. The appealing dark green color makes Fordhook the leading variety. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.40.

NEW ZEALAND SPINACH

Delightful tender greens throughout the summer and right up to cold weather. Both the leaves and stalks are very fleshy and brittle and of the finest quality when cooked. Plant in early spring. The plants should be 2 feet apart in the row and the rows 3 feet apart. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 80c; lb., \$2.50.

SQUASH

Summer Squash

$\frac{1}{4}$ lb. of seed will plant about 100 hills;
5 to 6 lbs. of seed an acre.

Early Prolific Straightneck—The fruits are very uniform for shape and size and the skin is a clear, bright yellow color, with no trace of green even when young. Small vine growth allows thick planting. They are usable when only 4 to 5 in. long and until 12 to 14 in. long.

Cocozelle Bush—Is long and cylindrical. Dark green when young, and fine flavored. Bush vines.

Early White Bush—Fruits are rather small, quite flat, with scalloped edges. They are produced in amazing quantities, and if kept picked will bear until frost. Snow-white at all times.

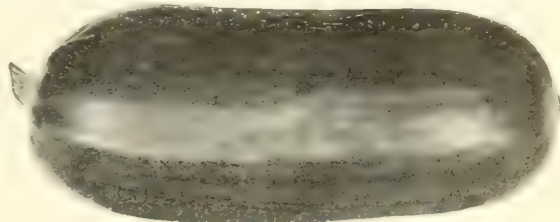
Table Queen (Acorn)—An individual size squash. Outside color, green; flesh, light orange; dry, sweet flavor.

Early Yellow Summer Crookneck—Fruits heavily warted

and golden yellow in color. We have a beautiful pure line strain.

Zucchini Black—Replacing Cocozelle. Fruits long and slender, showing a black green color when young. We believe they have a better flavor.

Price, any of above—Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50; 10 lbs., \$14.00.



Zucchini Black

Winter Squash

$\frac{1}{4}$ lb. of seed will plant 50 hills;
3 to 4 lbs. of seed an acre.

Banana (Blue)—Popular winter squash. Fruits 18 to 24 inches long and about 7 inches in diameter. Slate grey color; flesh fine-grained, deep yellow, dry, and sweet.

Chicago Warted Hubbard—Dark green, flesh dry and sweet. Very hard shell insures long keeping qualities. It is the largest of the green Hubbards and is thickly covered with warts. Undoubtedly the most popular of any squash in this class.

Green Delicious—Believed the driest and sweetest of any of the winter squashes. Fruits 8 lbs.

Golden Delicious—The color is a bright golden with lighter stripes. An excellent small squash for roadside and market; also widely used for canning. Wonderful flavor.

Golden Hubbard—It is a little smaller than the Green Hubbard types and a few days earlier. Fruits 8 to 10 lbs.; orange-red color, flesh deep orange, dry, and of good quality. Keeps well.

Pike's Peak or Sibley—Large oval fruits, slate grey in color; flesh golden-yellow, very best quality.

Utah Giant Field—Mammoth size; valuable for stock feeding. Seeds are large, brown and shiny.

Price, any of above—Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 70c; lb., \$2.10; 10 lbs., \$20.00.

TOMATOES

The Pride of Your Garden and Table

An ounce of seed will produce about 2,000 plants. Approximate number of days from setting plants to ripened fruits are indicated.

P.-W.'s EARLY CANNER—The fruits are smooth, very red, and not susceptible to cracks. Vines are compact in habit, allowing three plants in the space ordinarily required for two. It has become a favorite for Home and Market Gardeners. Many years have been spent in tests and selection, to combine the virtues which make it an outstanding variety for all gardeners. 70 days. Pkt., 10c; ½ oz., 55c; oz., \$1.00; ¼ lb., \$3.00; lb., \$9.00.

Marglobe—Blight resistant. Introduced by the U.S.D.A. only a few years ago, it is widely planted by market growers, canners, and home gardeners. The fruits are large, globe-shaped, smooth, deep red, very solid and firm; delicious flavor. It is also the standard variety for green pack, as it grows with very little stem crack and ripens well in storage. 75-80 days. Pkt., 10c; oz., 50c; ¼ lb., \$1.65; lb., \$5.00.

Pritchard's (Scarlet Topper)—A wilt resistant variety developed by the U.S.D.A. The flesh is rich red, solid with few seed cavities and has a mild non-acid flavor. Pritchard requires a fertile soil for best development and responds well to heavy applications of fertilizer. Ripens between Bonny Best and Marglobe. Pkt., 10c; oz., 75c; ¼ lb., \$2.35; lb., \$7.00.

Earliana Special—We earnestly believe our strain is the finest of this first early type. Fruits are medium size, flattened globe-shape, deep scarlet-red, firm and smooth. 66 days. Pkt., 10c; oz., 75c; ¼ lb., \$2.35; lb., \$7.00.

John Baer—We regard this variety as one of the best medium earlies and recommend it most highly for all purposes. Fruits bright scarlet-red, smooth, and quite firm. 70 days. Pkt., 10c; oz., 70c; ¼ lb., \$2.15; lb., \$6.50.

Stokesdale—An excellent medium early tomato, ripening in season of John Baer and adapted for market and canning. The fruit is medium size, deep globe-shape, very solid and of fine quality. Ripens even to a good scarlet color. The vines are very prolific. Pkt., 10c; oz., 70c; ¼ lb., \$2.15; lb., \$6.50.

Stone (Improved)—Enormous yielder. Valuable for the market gardener, trucker, and canner. Bright deep scarlet fruits; large and flat, but deep; smooth and solid. 86 days. Pkt., 10c; oz., 50c; ¼ lb., \$1.65; lb., \$5.00.



P.-W.'s Early Canner

New Climbing Tomato

Trip-L-Crop—This novelty tomato especially adapted to home garden culture, should be grown on stakes or a trellis. The vines grow 8 to 15 feet tall and sometimes yield as many as two bushels each. The fruits are very large, commonly weighing a pound or more. Pkt. only 25c.

Small Fruited Tomatoes

These tiny tomatoes are prized for pickles, preserving, salads and pie making. Varieties: **Ground Cherry, Red Cherry, Red Pear, and Yellow Pear.** Price—Pkt., 10c; ½ oz., 60c; oz., \$1.00.

HUCKLEBERRY (Wonderberry)—The fruit is as large as a grape and jet black when ripe. Makes delicious pies, jellies, preserves, jams, etc. Pkt., 10c; ½ oz., 60c; oz. \$1.

P.-W.'s STURDY TOMATO PLANTS

For many years we have made a specialty of growing tomato plants. Our plants are transplanted into flats, scientifically grown, sturdy and well hardened; and are far superior to plants taken directly from the seed bed or greenhouse to the field. Plants of the leading varieties, P.-W.'s Early Canner, Earliana, John Baer, Stokesdale, and Stone are ready from about May 1 to June 25th.

Price—35c per 10; \$2.10 per 100. If by mail add 5c per 10 or 15c per 100 for packing and postage. Prices on larger quantities for pick up here or for express collect shipment mailed on request.



Purple Top White Globe

TURNIPS

It requires 1 to 1½ lbs. of seed per acre in drills.

An ounce will sow 300 feet of row.

Purple Top White Globe (Special Strain)—This fine stock produces the world's finest turnips. Large, smooth, and delicious flavored. The color is snow-white with a rich purple top; the flesh is firm, fine-grained and tender. It is the standard home, market, garden and shipping variety and always sells at advanced prices over ordinary sorts.

Snowball—An early variety next in popularity to Purple Top White Globe. Roots are round, pure white throughout. Flesh is fine-grained, sweet, and tender. Turnip Prices—Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c; 10 lbs., \$8.50.

Rutabaga or Swede Turnip

American Purple Top—Remarkable for uniform shape and fine quality; a splendid keeper. Skin smooth; a beautiful yellow color, fine-grained, very sweet and tender.

Golden Neckless—A favorite winter variety maturing earlier than the American Purple Top, which it closely resembles. The flesh is light yellow, fine-grained, and sweet. Roots are uniform in shape and color with a very small neck.

Rutabaga Prices—Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 90c.



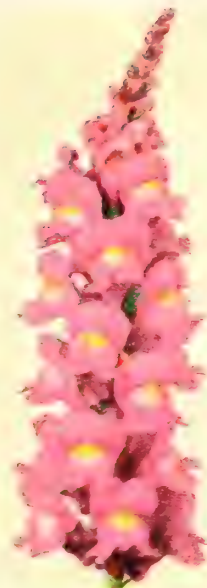
LARKSPUR
GIANT IMPERIAL

**"ABUNDANCE"
CUT FLOWER
ASSORTMENT NO. 519**

**MAKE DELIGHTFUL
FLORAL ARRANGEMENTS
FROM YOUR OWN GARDEN**

**EACH VARIETY
PUT UP IN A LARGE
25c ECONOMY PACKET**

All Five for \$1.00



SNAPDRAGON, ROSALIE



COSMOS, GIANT SENSATION, PINK



SCABIOSA BLUE MOON

GARDEN EFFECT
BESIDES BEING MOST OUTSTANDING
CUT FLOWERS THESE ANNUALS
HAVE AN EXTREMELY IMPORTANT
PLACE IN THE LANDSCAPE PICTURE



MARIGOLD, GIANT GOLDSMITH

CHARMING ANNUAL EDGINGS



VERBENA GIANT HYBRIDS

This vigorous annual produces many rich colors and makes a border 15 to 18 inches wide. **Pkt. 25c.**

INDISPENSABLE EDGINGS

All are dwarfs but entirely different in leaf and flower.

SPECIAL NO. 520

One Pkt. of each

\$1.00



AGERATUM, MIDGET BLUE

Ageratum Midget Blue is only four inches tall and bears soft feathery blooms. **Pkt. 35c.**



Dianthus Pinks have narrow foliage and large flowers. **Pkt. 10c.**



DIANTHUS (PINKS)



PORTULACA DOUBLE

Portulaca or Moss Rose thrives in hot sunny borders. **Pkt. 25c.**



A neatly compact edging of exquisite rose is formed by this dwarf Petunia, Rose Gem. **Pkt. 25c.**



PETUNIA ROSE GEM

ALYSSUM, VIOLET QUEEN

Alyssum Violet Queen is hardy, easy to grow, and blooms continuously. **Pkt. 15c.**



ANNUAL FLOWER SEEDS

Annuals Make Summer's Greatest Show

Ageratum *ajuFH*

Dwarf Blue Cap (6-8")—Not available.
Midget Blue (3-4")—Pkt., 35c.

Alyssum

Benthami Mariatimum (Sweet Alyssum) *ajuFHN* (10")
 White, honey-scented flowers bloom early and continue until frost. Pkt., 10c; 1/4 oz., 30c.

Little Gem *ajuBDGN* (8")—Dwarf, completely covered with snowy-white blossoms. Pkt., 10; 1/4 oz., 45c.

Snow Cloth (*Procumbens*) *ajuFHN* (4")—Very dwarf, compact, and quite spreading. Pure white flowers completely cover the plants. Pkt., 10c; 1/4 oz., 50c.

Violet Queen *ajuFHN* (6")—Very desirable. Plants are dwarf, compact, neat in habit, and free flowering. The sweet-scented flowers are a very rich shade of violet. Pkt., 15c; 1/8 oz., 35c.

ANTIRRHINUMS (Snapdragons) *ajrFGN*

MAXIMUM or Super Giants Rust Resistant (30"-36")—The development of these new rust-proof strains has made Snapdragons more popular than ever. Plants are base branching, each producing up to 1 1/2 dozen long, graceful spikes covered with large flowers. Foliage is clean, healthy, and luxuriant.

Alaska—Pure white.

Apple Blossom—Light pink.

Canary Bird—Canary yellow, deeper lip.

Christmas Candle—Flame-red, lighter throat.

Copper King—Burnished copper.

Crimson—Deep crimson.

Indian Summer—Reddish bronze and golden hues.

Loveliness—Soft, rose-pink.

Rosalie—A rich, deep rose with an underlying tone of topaz or amber. Pkt., 25c.

Maximum or Super Giant Mixed—Well-blended. Each of above, except Rosalie. Pkt., 15c; 1/32 oz., 45c.

California Giant Mixture—This de luxe mixture will supply a never-ending color combination of long-stemmed, rust-proof, cut flowers. Pkt., 15c; 1/32 oz., 45c.

EXTRA STURDY PLANTS AND EARLIER BLOSSOMS OF SNAPDRAGONS, ASTERS AND ALYSSUM ARE PRODUCED BY LATE FALL SOWING AND MULCHING.

Asters (3') *aorsCDHN*

Improved California Giant—Long, strong stems bearing beautifully formed, curled and interlaced flowers 5 in. across. **Crimson, Light Blue, Pure White, Purple, Rose and Mixed.** Any of above—Pkt., 10c; 1/32 oz., 45c.

Early American Beauty—Wilt Resistant—The outer petals reflex and the center ones curved gracefully inward. Magnificent for cutting. **White, Light Blue, Dark Blue, Crimson, Shell Pink, Deep Rose and Mixed.** Each of above—Pkt., 10c; 1/16 oz., 35c.

Giant Crego—Wilt Resistant—Large flowers are borne on stems twelve inches or more in length. Their lasting qualities when cut are unsurpassed. **White, Rose Pink, Crimson, Dark Blue, Light Blue, and Mixed.** Each of above—Pkt., 10c; 1/8 oz., 40c.

Heart of France Aster (24")—The largest flowering of the very dark red sorts. Pkt., 15c; 1/16 oz., 40c.

Giant California Sunshine, Mixed—Large flowers with loosely placed outer petals contrasting with the creamy yellow or blue centers. Pkt., 10c; 1/32 oz., 35c.

El Monte (Super Giant)—Immense, brilliant, glowing crimson flowers. Pkt., 15c; 1/32 oz., 35c.

Los Angeles (Super Giant)—Pure, shell-pink. Pkt., 15c; 1/32 oz., 35c.

Balloon Vine (15') *ajtCHSU*

Love in a Puff—A clean, free-growing vine bearing numbers of large, round, inflated seedbuds resembling miniature balloons. Pkt., 10c; 1/4 oz., 35c.

Balsam (Lady Slipper) (18") *aksCHS*

Double Camellia-Flowered Mixture—Today's Balsams are greatly improved over their predecessors. They blossom continuously in many colors. Pkt., 10c; 1/8 oz., 30c.

Brachycome (Swan River Daisy) (9"-12") *akucBH*

Small, cineraria-like blooms nearly all summer. Our mixture contains all the colors: white, pink and blue. Pkt., 10c; 1/8 oz., 30c.



Super Giant Snapdragon



Improved California Giant

Cactus

All Types Mixed—You will be thrilled with the many interesting varieties of Cactus this seed will produce. Pkt., 10c; 1/32 oz., 35c.

Calendula (18'') akrsBDGN

Chrysanthum or Sunshine—Large, clear buttercup yellow, long loosely-arranged petals resembling Chrysanthemums. Pkt., 10c; 1/4 oz., 35c.

Improved Campfire—Rich orange flowers with a scarlet sheen. Pkt., 10c; 1/8 oz., 25c.



Calendula Chrysanthum



Celosia Plumosa



Double Cosmos

Orange King—A glowing orange with incurved center petals. Pkt., 10c; 1/4 oz., 35c.

Double Giant Mixed—All colors. Pkt., 5c; 1/2 oz., 35c.

California Poppy (Eschscholtzia) (8'') ajsBJN

Aurantiaca (Orange King)—Rich golden orange. Pkt., 10c; 1/4 oz., 20c.

Mixed, all colors—Many shades. Pkt., 5c; 1/4 oz., 20c.

Calliopsis (12'') aksFHN

Drummond's Golden Crown—Large, orange-yellow flowers on wiry stems. Pkt., 10c; 1/4 oz., 30c.

Finest Mixed—Pkt., 5c; 1/4 oz., 25c.

Candytuft ajsBHN

Giant Hyacinth-Flowered White (12'')—Large spikes of snowy white flowers, sturdy and compact. Pkt., 10c; 1/4 oz., 40c.

Umbrellata Finest Mixed (12'')—Pkt., 5c; 1/4 oz., 30c.

Carnations

Giant Marguerite Mixed—Begin to flower in a few weeks from time of sowing. Pkt., 10c.

Celosia (Coxcomb) aksFHu

Chinese Woolflower (30'')—Rapid grower with many branches terminating in a flower head resembling a ball of colored wool. The color remains unfaded with frost. Pkt., 10c; 1/8 oz., 30c.

Crested Dwarf Mixed (15'')—Fine dwarf habit with broad compact plumes resembling giant rooster combs. Pkt., 10c; 1/16 oz., 30c.

Pride of Castle Gould—Large, fluffy, ostrich-feather-like plumes of yellow, scarlet, crimson, and orange in mixture. Pkt., 10c; 1/8 oz., 35c.

Plumosa, Finest Mixed (2 1/2-3 ft.)—Pkt., 10c; 1/8 oz., 30c.

Centaureas

Cyanus Blue Boy—Large, fully double flowers of intensified blue. Long stems for cutting. Pkt., 10c; 1/8 oz., 25c.

Cyanus Jubilee Gem akubGN (12'')—Charming compact plants literally covered with vivid blue flowers. Beautiful flower of recent development. Pkt., 10c; 1/8 oz., 35c.

Cyanus Mixed (Bachelor Buttons) akrBGN (24'')—A double flowering mixture of many colors. Pkt., 5c; 1/8 oz., 25c.

Imperial Mixed (Sweet Sultan) akrBGN—These large, long-stemmed, sweet-scented flowers are exquisitely fringed and truly graceful in appearance. Pkt., 10c; 1/8 oz., 25c.

Cheiranthus (Siberian Wallflower)

Golden Bedder aknsBJN (12'')—A very free-flowering plant producing golden yellow flowers. Pkt., 10c; 1/8 oz., 25c.

Clarkia (1') aksFHN

Elegans Double Mixed—The flowers are best described as resembling sprays of Double Flowering Almond. Pkt., 10c; 1/16 oz., 35c.

Cleome (4') ajstFGN

Pink Queen (Spider Plant)—This very interesting novelty is sure to become a favorite everywhere. It is never out of bloom. Pkt., 15c; 1/16 oz., 35c.

Cobaea Scandens (30') ajtHK

Handsome, rapid growing climber; flowers are bell-shaped and open a clear green, but turn a beautiful purplish lilac. Seed should be sown edgewise. Pkt., 10c; 1/8 oz., 35c.

Cosmos ajstFHN

Plants of graceful beauty, fine feathery foliage, and large flowers.

Early Single Mixed (5')—Pkt., 5c; 1/4 oz., 25c.

Early Double (5')—Pkt., 10c; 1/16 oz., 40c.

Early Orange Flare (4')—Pkt., 10c; 1/4 oz., 35c.

New Yellow Klondike (New)—Bright yellow. Pkt., 10c; 1/4 oz., 35c.

Giant Early Flowering Sensation (5'-6')—The unusual size—(3-4" diameter) of the Sensation Group and its new individual colors are putting Cosmos "Back on the Map" in many gardens.

Dazzler—Rich, deep crimson.

Pink—Illustrated in color on page 19.

White—Pure and glistening.

Mixed Colors—Many beautiful shades. Pkt. 25c.

Cynoglossum (Chinese Forget-Me-Not)

Firmament ajsFH (18")—A new dwarf type of Chinese Forget-Me-Not with flowers of vivid indigo blue. Bronze Medal Winner. Pkt., 10c; ¼ oz. 30c.

Dianthus (Garden Pinks)

Best Single Mixed ajsBN (10")—See illustration below. Pkt., 10c; ¼ oz., 40c.

Best Double Mixed ajsBN (10")—Pkt., 10c; ½ oz., 30c.

Dolichos (10') ajtBCHN

Hyacinth Bean—A rapid-growing annual climber with showy pea-shaped flowers followed by ornamental seed pods. Pkt., 10c; ½ oz., 35c.

Euphorbia (30'') ajsBHR

Variegata (Snow on the Mountain)—Foliage edged white and green. Pkt., 10c; ¼ oz., 35c.

Four O'clocks (Mirabilis) (2') ajsFH

Showy plants that do well everywhere. Flowers open in the afternoon except on cloudy days when they bloom all day.

Mixed Colors—Pkt., 10c; ¼ oz., 25c.

Larkspur (4'-5') akrsFGN

Giant Imperial—This type has superseded all others for florists' and garden use. The delphinium-like spikes of double flowers are compactly placed on the upright growing plants, requiring only about one-half the space needed for the old stock flowered type of Larkspur.

Rosalind—Rose suffused salmon.

Blue Bell—Blue.

Carmine King—Carmine.

Daintiness—Lavendar.

Exquisite Rose—Pink.

Giant Imperial Mixed—These and other beautiful shades.

Price—Any of above, Pkt., 25c; ¼ oz., 60c.

Linum

Grandiflora Rubrum (Crimson Flax) ajsCH (2')—Brilliant glowing crimson-rose. Pkt., 5c; ¼ oz., 25c.

Lobelia (6'') akuFKS

Crystal Palace Compacta—Rich, deep blue, dark foliage. Pkt. 10c; 1/32 oz., 45c.

Lupinus

Hartwegi Giant Mixed ajtCK (36")—It is the best annual type by all odds. Pkt., 10c; ¼ oz., 45c.

Mignonette (12'') ajrFH

Machet—Produces several spikes of greenish-rose and white flecked blossoms which are highly prized for fragrance. Pkt., 5c; ¼ oz., 30c.

Myosotis (Forget-Me-Not)

Alpestris Royal Blue boquBJS (4")—These will form a compact carpet of deep blue flowers. Pkt., 25c.

Godetia (12'') ajsFH

People who live in higher valleys where the summers are not too hot will find these showy flowers unexcelled.

Duke of York—Not available.

Kelvedon Glory—Not available.

Sybil Sherwood—Not available.

Dwarf Single Mixed—Pkt., 10c; 1/16 oz., 25c.

Gourds (10') akEHU

Large Gourd fruits make attractive decorations at harvest festivals. The small ones may be placed in bowls for table decorations. Bird houses, dippers, bowls, and toys are made of others.

Small Varieties Mixed—Pkt., 10c; ½ oz., 30c.

All Varieties, Mixed—Pkt., 5c; ½ oz., 25c.

Gypsophila

Elegans London Market ajrBH (2')—Large, pure white. Several sowings will keep up a supply. Pkt., 10c; ½ oz., 30c.

Helichrysum (2') akrsCHN

Strawflower—

Mixed, all colors—Pkt., 10c; 1/16 oz., 25c.

Kochia (30'') aksDU

Childsii (Burning Bush)—Resembles a close-clipped ornamental evergreen. In autumn becomes blood-red. Pkt., 5c; ½ oz., 25c.



Dianthus Single



Godetia Upright Single



Gourd Small Varieties Mixed

Marigold *ajstFHK*



Marigold
Gigantea Orange

Mission Giant Goldsmith (48")
Winner Bronze Medal, 1941.
A rich, golden orange. Pkt., 25c.

Gigantea Orange (Full Double Mixture) (48")—Remarkable sweet-scented, robust grower, extremely large flowered, ideal for show purposes, florist use and garden decoration. Pkt., 10c; 1/16 oz., 25c.

African Orange Alldouble (48") — Splendid orange. Pkt., 10c; 1/16 oz., 30c.

African Lemon Alldouble (48")
A clear lemon yellow. Pkt., 10c; 1/16 oz., 30c.

African Mixed Alldouble (48")—Extra large double flowers. Pkt., 10c; 1/16 oz., 25c.

Miniature (French Double) Spry (9")—Winner Silver Medal 1941. Clear yellow, crested center, with mahogany-red guard petals. Pkt., 10; 1/8 oz., 35c.

Dwarf French Double Monarch Strain (20")—A greatly improved strain, very compact with large double flowers in a wide range of colors in combinations of orange, bronze, yellow, and mahogany. Pkt., 10c; 1/8 oz., 35c.

Dwarf French Double Harmony Hybrids (12")—100% All Double flowers average 1 3/4 inches in diameter. One of the outstanding introductions. Pkt. 10c; 1/4 oz., 30c.

Sunkist—Silver Medal Winner 1943. The tiny six to eight-inch mound-like plants are literally covered with blossoms. Grand for bedding, borders or pot culture. Pkt., 15c; 1/8 oz., 35c.

Signata Pumila (Gnome) (6")—Dwarf plant, with delicate, fern-like leaves, densely covered with single flowers of bright golden yellow. Pkt. 10c; 1/16 oz., 25c.

Morning Glories and Moonflowers *ajCDHK*

Scarlet O'Hara—Rich, dark rosy-crimson blossoms of good size. Pkt. 10c; 1/16 oz., 30c.

Pearly Gates (New)—A grand early flowering pure white. Its companions Heavenly Blue in its nature of growth, size and quantity of bloom. Pkt., 10c; 1/8 oz., 35c.

Heavenly Blue Early Flowering—Sky blue, shading golden yellow in throat; extremely early. Pkt. 10c; 1/4 oz., 35c.

Tall Mixed—All colors. Pkt. 5c; 1/2 oz., 25c; oz. 40c.

White Moonflower—Night blooming. Pkt. 10c; 1/4 oz., 25c.

Single Nasturtiums

Best Tall Single Mixed (24")—Pkt., 5c; oz., 40c.

Best Dwarf Single Mixed (12")—Pkt., 10c; oz., 40c.



Marigold Dwarf French Harmony

Nasturtiums *aksuFHR*

New Double Sweet Scented (12")

Indian Chief—Brilliant scarlet with dark foliage.

Golden Gleam—A blaze of golden yellow.

Scarlet Gleam—Fiery orange-scarlet.

Gleam Hybrids—A gorgeous color array.

Any of above—Pkt. 10c; oz., 40c.

Nemesia (15") *aksFHN*

Large Flowering Mixture—Pleasing masses of low growth. Lovely orchid-like flowers. Pkt., 15c; 1/32 oz., 50c.

Nicotiana (Tobacco Plant) *ajsCG*

The flowers open toward evening and emit a fragrant perfume.

Crimson Bedder (15")—Pkt. 15c; 1/16 oz., 35c.

Affinis Choice Mixed (2")—Pkt., 10c; 1/8 oz., 25c.

Nigella (Love in the Mist) (15") *aksFHN*

Miss Jekyll—Not available.



Pansies (5") *akruFJS*

Giant International Mixture—It includes the richest reds, coppers and bronzes, together with the most delicate rose-pink shadings. Pkt., 50c; 1/16 oz., \$1.25.

Roggli's Swiss Giant—Substantial, well-rounded, huge flowers are supported by long stems. Flowers measure as large as 4-5 in. across. Pkt., 50c; 1/32 oz., \$1.00.

Steele's Miracle Mixed—This is one of the most colorful mixtures of mammoth pansies. Pkt., 50c; 1/16 oz., \$1.00.

Rocky Mountain Giants—A fine Swiss strain grown in our own Rocky Mountains. It has been outstanding in our trials for balance of colors and large size of blooms. Pkt. 50c; 1/16 oz., \$1.00.

Swiss Giants in Colors

Berna—Dark violet blue.

Coronation Gold—The best true golden yellow.

Alpinglow—Rich garnet-red.

Rhinegold—Large yellow with dark center.

Swiss White

Ullswater—Marine blue.

Prices of any of above, Pkt., 50c.

PANSY PLANTS—Giant flowering plants carefully grown from the world's finest strains. Price 75c per doz. Plants ordered by mail will be wrapped in 1/2 dozens. Add 15c per doz. for postage and packing. Express shipments will be packed 12 plants per basket (4 baskets per crate).



Petunia Velvet Ball

PETUNIAS *ajsFKL*

Fringed Giant Flowering Types

Dwarf Giants of California (Ramona Strain)—Dwarf, ruffled and fringed, with open, well-marked throats. Pkt., 50c.

Giants of California (Finest Mixed)—These are of great beauty, including fringed and deep-throated sorts in endless variety of colors. Pkt. 35c.

Super Fluffy Ruffles—So ruffled and frilled that the flowers have the appearance of being double. Flowers are very large with a large throat. Pkt., 50c.

Ruffled Monsters—Giant flowers with large throat and exquisitely ruffled edges; many bewitching shades and colors. Pkt., 50c.

All Double Flowering

Mixture—Colors and tints beautifully blended.
Price—Pkt., 50c.

Single Giant Flowering

Elk's Pride (Improved Purple Prince)—Largest, darkest, and best velvety purple. Pkt., 50c; 1/64 oz., \$2.00.

Single Bedding Types

For continuous profusion of bloom, vivid coloring, and ease of culture, this class of Petunias is unsurpassed. The newer varieties are of more dwarf habit, very neat and compact.

Celestial Rose (12-15")—A beautiful rich satiny rose. Pkt., 25c; 1/64 oz., \$2.00.

Howard's Star (18-24")—Velvety purple. White Star. Pkt., 10c; 1/32 oz., 35c.

Hybrida Mixture (18-24")—Unending variety of color. Pkt., 10c; 1/16 oz., 40c.

Igloo (12-15")—All America Bronze Medal Winner for 1943. Creamy White. Very compact plants. Pkt., 25c.

Radiance (18")—Cerise Rose with an undertone of Salmon. Pkt., 15c; 1/32 oz., 35c.

Snowball (12-15")—Compact, pure Satiny White. Pkt., 10c; 1/32 oz., 45c.

Velvet Ball (10")—Very compact. Produces a domed mound of velvety blood red blossoms. Pkt., 25c; 1/64 oz., \$1.00.

Miniature Petunias

Rose Gem—A novel dwarf single petunia of very neat habit and excellent rich rose colored blossoms. Ideal for borders or edgings. (See color page 20.) Seed, Pkt., 25c.

Balcony Petunias

Trailing habit. Excellent for window or porch boxes. Not available.

Annual Phlox *akosFKN*

This family produces the gayest colors of all. The plants are well branched and make a most attractive and continuous display.

Drummondii (15")—Not available.

Nana Compacta (6")—Not available.

Annual Poppies *aks*

American Legion—Lovely, single, bright orange-scarlet, white maltese cross. Pkt., 10c; 1/4 oz., 25c; oz., 75c.

Shirley, All-Double Mixture—Re-selected all-double blooms with the full range of colors found in both old and new. Pkt., 10c; 1/4 oz., 35c.

Shirley, Single Mixed—Satiny flowers of various colors. Pkt., 10c; 1/4 oz., 30c.

Portulaca (Moss Rose)

P.W.'s Large Flowering Single Mixed—Pkt., 15c; 1/32 oz., 50c.

P.W.'s Double Mixture—Pkt., 25c; 1/32 oz., 50c.

Ricinus (Castor Bean) (12') *ajntHS*

Zanzibariensis Mixed—The ornamental leaves beautifully lobed are 2½ to 4 feet across. Each plant makes a perfect pyramid of foliage. Pkt., 5c; oz., 30c.

Salpiglossis (30'') *ajsCG*

Most attractive; should be in every garden. Each flower is veined with a glint of gold.

Emperor Finest Mixed—Large improved strain, complete range of colors. Pkt., 10c; 1/8 oz., 30c.

Salvia (Scarlet Sage) *aksDLP*

America or Globe of Fire (18")—Flowers of richest glowing red, large dark green leaves. Pkt. 25c.

Scabiosa *ajrFL*

Blue Moon (Imperial Giant)—Large, fully double blooms of deep lavender-blue produced on long, strong stems, making them good for cutting. Pkt. 10c; 1/8 oz., 35c.

Rosette—New large flowered variety of lovely color tones. Pkt., 10c; 1/8 oz., 35c.

P.W.'s Giant Hybrids, Mixed—Includes all the new and rare colors. An unrivaled mixture. Pkt. 10c; 1/8 oz., 25c.

Scarlet Runner (8')

aktCHS

A great favorite, not only as an ornamental climber, but for the delicious edible beans which succeed the spray of bright scarlet, pea-shaped blossoms. Oz., 10c; 1/4 lb., 25c.

Schizanthus (15')

aksCKN

Dr. Badger's Improved Giant Flowered Hybrids—Outstanding brilliant flowers, ranging in color from light pink to deep purple. Pkt., 25c; 1/32 oz., 50c.



Scabiosa Giant Hybrids



Sweet Pea Hope Improved

P.-W.'s SWEET PEAS

akorFGS

EARLY FLOWERING SPENCERS (72")

The new type is in great demand for forcing under glass and for outdoor culture, coming into flower five or six weeks earlier than the regular summer flowering type. If flowers are kept picked, will continue to bloom over a period of nearly four months.

Bacchus—Mammoth rich red maroon on long firm stems.

Bridesmaid—Deep silvery pink with stems unusually long.

Eileen—Rich begonia rose.

Fragrance—Large clear lavender, ruffled and fragrant.

Hope Improved—Mammoth flowers of pure white.

Iris Blue—A strong growing deep "Iris Blue."

Mrs. Herbert Hoover—Bright, clear blue; fragrant.

Sequoia—Enormous flowers of rich golden cerise.

Sterling—Large salmon rose on strong stems.

Susanna—Carmine Red.

Treasure Island—A sparkling golden orange; very large.

Price—Any of above: Pkt., 15c; ½ oz., 45c; oz., 80c; ¼ lb., \$2.50.

P.-W.'s Early Flowering Spencer, Best Mixed—The above and many other varieties properly blended for a harmonious color effect.

Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00; lb., \$6.00.

SUMMER FLOWERING SPENCERS (72")

We offer the very choicest and most distinct varieties, each one in its respective color, and sure to give entire satisfaction.

Bonnie Briar—A sparkling rose pink of immense size.

Capri—Wonderful light blue.

Flagship—Brilliant, deep navy blue.

Flamingo—Rich orange scarlet cerise.

Flora—Clear deep lavender self.

Golden Dragon—Large, blended shades of bright orange and soft orange rose.

Loch Lomond—Mahogany.

Maytime—Rich golden cerise with large flowers and long stems.

Patricia Unwin—Rich golden salmon.

Rubicund—A crimson scarlet, vigorous in growth.

Snow White—Immense blooms of solid paper white.

Sweet Afton—Deep silvery pink, large flowered.

Welcome—A really magnificent dazzling scarlet.

What Joy—Cream.

Windsor Blue—Large flowered and heavy stemmed. Clear mid-blue.

P.-W.'s Giant Spencer Silver Gilt Medal, Mixed—The finest assortment of Giant Spencers obtainable at any price. A formula mixture containing 75 named varieties, including the latest novelties.

Any of above—Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; lb., \$3.75.

SWEET PEAS INOCULATED WITH NITRAGIN WILL GROW BETTER AND BLOOM MORE PROLIFICALLY

INOCULATE ALL LEGUME SEEDS WITH

NITRAGIN

Pkt. (enough for 8 lbs. of seed), 10c

Stocks *aksBHK*

Improved Large Flowering 10-Week, Mixed (12")—Most popular for garden flowers, and is also useful for cutting. Fragrant. Pkt., 10c; 1/16 oz., 30c.

Double Giant Imperial Mixed (30")—Very early blooming; produces high percentages of doubles. For both greenhouse and outdoor culture. Pkt., 15c; 1/16 oz., 35c.

Colorful Verbenas *aksFGN*

Hybrida Dwarf Compact (Erect) (6")—Not available.

Giant Hybrids (12") *aksFHNS*—A magnificent strain of Verbenas; robust, free blooming. It has more flowers to each truss and the florets are large.

Brightness—rosy cerise scarlet, white eye.

Brilliant—flame rose, white eye.

Pure White—just as the name implies.

Royale—royal blue, creamy yellow eye.

Spectrum red—intense bright red.

Mixture of Giants—carefully blended.

Each of above, Pkt., 10c.

Erinoides (Moss Verbena) (8") *agkFHNS*—Moss-like foliage with purplish blue and white blossoms. Pkt., 10c; 1/8 oz., 30c.

Venosa (12")—Deeply-cut leaves and bright purple flowers. Pkt., 10c; 1/8 oz., 30c.

The Gorgeous Zinnia *akrsFHN*

Giant Double Dahlia—flowered (36")

The flowers often measure 4 inches in depth and 4-6 inches across and are abundantly produced. They are the most desirable of all the large double Zinnias.

Canary Bird—primrose yellow.

Crimson Monarch—flaming crimson.

Dream—deep lavender blue.

Exquisite—light rose with center deep rose.

Oriole—orange and gold bicolor.

Polar Bear—white.

Will Rogers—lovely brilliant scarlet red.

Giant Dahlia Flowered—gold medal mixed.

Each of above—Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 55c.

Lilliput or Pompon (12-15")

Many gardeners greatly enjoy the tiny miniature Zinnias which skilled plant breeders are now giving us.

Black Ruby

Canary Yellow

Crimson Gem

Lilac Gem

Salmon Rose

White Gem

Choice Mixed

Pastel Mixture

Each of above, Pkt., 10c; 1/8 oz., 30c.

Various Zinnias

Fantasy Mixed (24")—A novelty type with shaggy, quilled, and curled petals. Colorful mixture, Pkt., 10c; 1/8 oz., 30c.

Haageana (Mexican Hybrids) (12")—Very bushy, free-flowering plants. The predominating colors are yellow, orange, mahogany, and red. Pkt., 10c; 1/8 oz., 35c.

Howard's Giant Crested (36")—This aristocrat of all crested Zinnias brings a higher degree of refinement to the Zinnia family. Flowers 4-5 inches in diameter with full, round, cushioned centers surrounded by broad guard petals. This lovely new strain contains all the shades of orange, scarlet, yellow, rose, and crimson. Pkt., 10c; 1/16 oz., 35c.

Flower Seed Mixtures

Wild-Flower Mixture *ajsFHN*—A surprise collection containing practically every annual in existence. Pkt., 5c; 1/4 oz., 20c; oz., 50c.

Rock-Garden Mixture *juFH*—All the dwarf flowers, cultivated and wild, annual and perennial, that are suitable for the rock-garden. Pkt., 10c.

Wallflower *ejusJN*

Deliciously fragrant half-hardy perennials, blooming early in spring.

Single Mixed—All colors. Pkt., 10c; 1/4 oz., 30c.

Wild Cumumber *ajtHN*

Thirty feet. This is the quickest and easiest growing climber on our list. Pkt., 10c; 1/2 oz., 20c; oz., 35c.



Giant Verbena



Howard's Giant Crested



Zinnia Dahlia Flowers

**COLORFUL
LANDSCAPE
EFFECTS**



**FOR SPRING
SUMMER AND
FALL**

FINE PERENNIALS

THAT LIVE YEAR AFTER YEAR

Alyssum

Saxatile Compactum (Basket of Gold) ckmAJU (12")
—the brightest golden yellow spring rock garden flower. Pkt. 10c; Plants, 3 for 70c; 10 for \$1.85.

Anchusa cjuBJS

Myosotidiflora (15')—Charming blue flowers resembling Forget-Me-Nots. Pkt., 50c; Plants, 3 for 90c; 10, \$2.50.

Anemone Japonica eorsCDS

The varieties of *Anemone Japonica* prefer spring planting and little or no subsequent cultivation around their shallow fibrous roots.

Alba (24"-36")—A beautiful single, pure white with yellow center.

Alice (24"-36")—Large, rosy pink flowers with lilac center are borne on strong, vigorous plants. Excellent variety.

Queen Charlotte (24"-36")—Abundant semi-double flowers with broad perfectly formed petals. Beautiful La-France pink. See color illustration page 29.

Plants of any of above, 3 for \$1.25; 10 for \$3.50.

Anemone Sylvestris (12'') corsBJN

"The Snowdrop Anemone"—Pure white nodding flowers. Plants 3 for 90c; 10 for \$2.50.

Aquilegia (Columbine) cisBJU

Crimson Star—An attractive novelty. The long spurs and very large sepals are velvety-crimson, the inner petals are white in contrast. Plants, 3 for \$1.00. (See color page 29.)

Scott Elliott's Long Spurred Hybrids (26") — A wonderful mixture. Pkt., 10c; Plants, 3 for 75c; 10 for \$2.00.

Arabis (Rock Cress) (5'')

cjuxAJN

Alpina—Forms spreading tufts covered with sheets of pure white flowers. One of the earliest spring-flowering plants we have. Perfectly hardy and long-lived. Plants only, 3 for 70c; 10 for \$1.85.



Arabis Albida Rosea

Albida Rosea (True)—This lovely new *Arabis* is a gem in the rock garden or in the front of the hardy border. Especially fine in partial shade. 100% true rose pink making a fine companion for the white variety above. Plants only, 3 for 90c; 10 for \$2.50.

Asters, Hardy (Michaelmas Daisy) djnDJS

Beechwood Challenger (30")—A recent introduction which is the nearest to red of any Hardy Aster to date. Crimson-red and very profuse flowering.

Royal Blue (36")—Rich, deep blue and a strong grower.

Wonder of Staffa (Frikarti) (30")—Rich lavender-blue flowers of 1½-2 inches across. Bushy habit of growth and a constant bloomer. See color page 30.

Victor (12")—This is a beautiful clear lavender-blue. Price of any of above, 3 for \$1.15; 10 for \$3.25.

HARRINGTON'S PINK (36")—Its clusters of fine silvery rose flowers blooming from September 'till frost make a striking show in the garden. The first truly pink Aster and a perfectly lovely plant. Plants, 3 for \$1.35; 10 for \$3.90.

Aubrietia (4'') cjuAJN

Bougainvillei—Makes neat mounds of soft violet blue when in flower. The foliage is greyish green and attractive all summer. Pkt., 25c.

P.W.'s Monarch Mixture—A wide range of unusual colors provides a rich and glorious effect. Seed, Pkt., 25c; Plants, either of above, 3 for 70c; 10 for \$1.85.

Bleeding Hearts

djloBU

Spectabilis (Dicentra)

—Its long racemes of graceful, heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border. Strong roots, 75c each; 3 for \$2.10; 10 for \$6.75.

**SEE PAGE 3
FOR SHIPPING
INFORMATION.**



AQUILEGIA (Columbine) Crimson Star

Velvety crimson and white combined in beautiful simplicity. Plants, 3 for \$1.00.

PERENNIALS FOR SHADED GARDENS

The enchantment of light and shadow is brought to life with Modern Woodland Perennials



VIOLET ODORATA

The old-fashioned fragrant violet is still a favorite in shaded gardens. 3 for 60c; 10 for \$1.75.



ANEMONE JAPONICA, Queen Charlotte

Truly a queen, it rules supreme in uncultivated woody gardens. 3 for \$1.25.

Special No. 529

One of each plant on this Page

Plus

2 extra violets and
3 Vinca Minor

NINE PLANTS for \$1.75
Packing and postage .35

PRIMULA

Giant Munstead Strain (Right)
Unbeatable for borders in the shade. 3 for 90c.



Modern Perennials

ENLIVEN THE SUMMER PERENNIAL GARDEN.
EVERY ONE OF THIS EXHILARATING
SELECTION HOLDS THE SPOT-
LIGHT OF POPULARITY

SPECIAL NO. 530

One each of these delightful perennial
plants. Five strong vigorous roots for

\$1.30

If by mail add 20c for packing and postage.



POPPY NUDICAULE
(Sanford's Giants)

This is just one of the many beautiful shades you might receive from this brand new strain. See description in the general list. **Plants, 3 for 70c.**

(Below) **ASTER FRIKARTI**
A different hardy aster. Large $2\frac{1}{2}$ -inch blooms from late August 'til frost. **Plants, 3 for \$1.15.**



ASTER FRIKARTI



PLATYCODON
TRUE BLUE
Vigorous Roots, 3 for 70c

DELPHINIUM PACIFIC
HYBRID GIANTS
(Round Table Series)

At the left is one of the many beautiful shades found in the Round Table Series mixture. **Plants, 3 for \$1.10.**

PHLOX
LEO SCHLAGETER
(Right)

A brilliant glowing scarlet red. The brightest spot in the summer garden. **Plants, 3 for 90c.**



NEW ENGLISH CHRYSANTHEMUMS

The early English Chrysanthemums are a new race. They originated in England and were first imported to Western Canada, from there to the United States. They are equal in hardiness to the old garden Chrysanthemums and greatly exceed them in size and quality of bloom.

They do not have to be disbudded but if only 8 to 12 buds are left on a plant they will make especially lovely flowers and bloom one to two weeks earlier.

Mrs. Pattie—Terra cotta red with gold reverse. A large, deep flower with incurved petals. The very earliest variety.

Rose Princess—A very deep shade of rose with a yellow center. The flowers are large and of good form and are borne on tall sturdy plants. The last of the English Mums to bloom.

Sandy Richie—A very lovely and prized variety. The petals are deep crimson with shades of gold on the reverse. A strong plant that blooms in mid October.

White Lady—Without question White Lady is one of the finest white Chrysanthemums for the garden. It has shades of primrose in the center that lend a distinct richness to its character. The extra large flowers are of excellent form.

Any of the above English Chrysanthemums—3 for \$1.00; 10 for \$3.00. Postage and packing 15c for 3, 40c for 10.

PROVEN FAVORITES

dkSuDS

Caliph (36") Oct. 15—Medium sized flowers of deepest maroon-red; center petals slightly incurved.

Daphne (30") Oct. 15—Exquisite soft pink with a tint of rose, lighted by golden stamens in the center. A solid mass of the beautiful semi-double frost resistant blossoms.

Ember (36") Oct. 15—A brilliant glowing bronze combining shades of coral and orange. Very beautiful double flowers and the most hardy of our entire list.

Glory of Seven Oaks (24") Oct. 1—Bright golden yellow and fully double. The earliest yellow.

Golden Glow (36") Oct. 15—Beautiful fully double yellow blooms grow to 3 inches across without disbudding.

Granny Scovill (30") Oct. 15—One of the loveliest of all garden mums. Flowers 4½ inches across, full, well formed, and the color a clear warm coral bronze.

Pohatcong—Medium dwarf compact grower. Blooms profusely in a very pleasing shade of lavender.

Purple Glory—Extremely early, beginning to bloom in early September. Its growth is fairly bushy, 18 to 24 inches tall, and covered continuously with brilliant purple medium sized flowers.

Rio Narda (36") Nov. 1—A giant cactus type with blossoms 6" across. The color is very attractive silvery lavender. A chrysanthemum aristocrat.

Symphony (36") Oct. 20—Shades of deepest rose with copper in a truly symphonic blend. Very desirable.

White Doty—We must acknowledge our error during previous seasons of listing this variety as *Jean Cummings*. Very double white flowers, shaded cream in its domed center.

Price, all of above, 3 for 90c; 10 for \$2.50. Postage and packing, 15c for 3; 40c for 10.



Glory of Seven Oaks

Cushion Chrysanthemums *dkSuDS*

Plants in this popular group form low bushy mounds 12-15 inches across which are entirely covered with Azalea-like blooms two inches in diameter. They begin flowering in early September and continues until frost. We offer the four leading colors.

Bronze Cushion—Light buff bronze.

Rose Cushion—Rose-pink.

White Cushion—White, tinted pink when they first open.

Yellow Cushion—Clear bright yellow.

Price, all of above, 3 for \$1.00; 10 for \$2.65. Postage and packing, 15c for 3; 40 for 10.

Button or Pompon Chrysanthemums *dkSuDS*

This small flowered group is unusually effective in the garden, and the dainty flower clusters are particularly useful for table and room decoration. Plants grow 24 to 30 inches tall and bloom profusely.

Early Bronze Sept. 25—Light bronze, flecked yellow.

Irene Oct. 15—White.

Jewel Oct. 15—Deep rose.

Judith Anderson Oct. 15—Yellow, shaded orange in center.

Skibo Oct. 10—Clear yellow.

Price, all of above, 3 for 90c; 10 for \$2.50. Postage and packing, 15c for 3; 40c for 10.



Typical Button Mum

Chrysanthemum Maximum (Shasta Daisy)

Alaska cjsCJ (24")—Large, white, single flowers. Seed Pkt., 15c; plants 3 for 70c.

Mount Shasta djsC (30")—The aristocrat among Shasta Daisies. A beautiful pure white, with high crested, fully double flowers 3" across. The sturdy, erect stems add to its remarkable character. Plants only, 3 for \$1.50; 10 for \$4.50.

Postage and packing 15c for 3; 40c for 10.

Campanula (Bellflower)

Calycanthema bksBJU (24")—This is the old favorite cup and saucer Canterbury Bell, a flower worthy of perpetuation in every garden of today. *White, *Pink, *Blue, and *Mixed. Pkt., 10c.

***Glomerata Superba** cksBJU (18")—Compact clusters of deep blue bell flowers are held closely around the erect and sturdy stems. (Plants only.)

***Persicifolia** (Peach Bells) ckrBJU (30")—A noble plant for the middle of the hardy border. Large, bright blue flowers neatly arranged around their straight stems which rise from low mounds of peach-like foliage. Pkt. 25c.

Rotundifolia cjuBDJU (12")—The "Blue Bell of Scotland" bears small, deep blue flowers evenly scattered over the whole plant. Pkt., 25c. Plants of the varieties marked *, 3 for 70c; 10 for \$1.85.

Columbine

(See Aquilegia, page 28.)

Coreopsis (24") cjsFJN

Sunburst—An improved variety with fine semi-double petal arrangement. Highly prized in cut flower decorations for their long graceful stems and exceptionally long keeping quality. One of the few perennials that will bloom continuously when the flowers are kept cut. Pkt., 10c; Plants, 3 for 70c; 10 for \$1.85.

Delphinium (72") cjuBJS

Pacific Giant Hybrids—Since the introduction of this superb class of Delphiniums it has become everyone's favorite. The huge florets $2\frac{1}{2}$ " and more in diameter are practically 100% double. Our seed stock comes directly from the originator and our plants are grown from especially selected strains.

***Black Knight Series**—Dark Blue.

***Galahad Series**—White

***Blue Jay Series**—Bright Blue

Guinevere Series—Lavender

***Round Table Series**—Many different crosses and blends are included in this mixture.

Summer Skies—Clear Blue.

Seed Pkt., 50c

Plants of those marked (*), 3 for \$1.10; 10 for \$3.00.

Cliveden Beauty—Clear, light blue (seed only). Pkt., 25c.

Wrexham Hybrids Mixed—Tall spikes in a variety of shades (seed only), Pkt., 25c.

Dianthus cjuB

OLD SPICE (Plant Pat. No. 499)—Old Spice is a choice hybrid of the old-fashioned Garden Pink. It is as hardy as an oak and grows in a neat cushion-like form,



Dianthus Old Spice



Pacific Hybrid Delphiniums

bearing prolifically its spicy carnation scented blossoms of rich salmon pink. Plants, 60c each; 3 for \$1.50; Doz., \$5.00.

Dianthus Caesius—Compact Dwarf. Seed Pkt., 15c.

Dianthus Deltoides—Creeping. Seed Pkt., 15c.

Digitalis (Foxglove) (48") bosBJN

Gloxiniaeflora Mixed—For stately and picturesque beauty, these are not to be surpassed. The long tubular, spotted flowers hang in a mass on spikes 2'-3' long. Mixture includes purple, rose, yellow and white. Pkt., 10c.

Gloxiniaeflora Rosea—A beautiful rose-colored form of the type above. Plants either of above, 3 for 70c; 10 for \$1.85.

Geum (18") cjrBCJS

Mrs. Bradshaw—Double scarlet flowers. Pkt., 10c; Plants, 3 for 70c; 10 for \$1.85.

Gysophila (Babys Breath) (30") ckrBJN

Paniculata—White, lace-like. Pkt., 10c; Plants, 3 for 70c; 10 for \$1.85.

Repens Alba—Creeping form. Seed Pkt., 15c.

Hemerocalis (40") djsC

Hyperion—Largest yellow day lily. Plants, 75c each; 3 for \$2.00.

Heuchra (Coral Bells) (18") cjsBJ

Sanguinea—Small coral scarlet bell like flowers. Pkt., 25c.

Hibiscus (Mallows) (48") cktCJU

Mixed Mallow Marvels—Shrub like plants—large single flowers. Pkt., 10c; Plants, 3 for 90c; 10 for \$2.50.

Hollyhocks (72") cktBJN

Double Varieties—Crimson, Maroon, Scarlet, Rose Salmon, White, Yellow and Mixed. Seed Pkt., 10c.

Helianthemum (8'') *ckuBU*

Fireball—Few rock garden perennials can equal the Fireball "rock rose" for adaptability, neat uniform habit, and richness of color. Small double flowers of intense bright scarlet are held above its glossy deep green leaves in most effective contrast. Plants, 3 for 90c; 10 for \$2.50.

Iberis (Perennial Candytuft) *cjuBJ*

Gibraltarica (8'')—Lavender-white. Seed only, Pkt., 15c.

Sempervirens (6'')—Pure white. Seed only, Pkt., 15c.

Stately Bearded Iris

The bearded Iris are usually planted from June through September. If planted in the Spring they cannot be expected to bloom the first year. However, Iris orders received in the spring will be promptly filled if varieties are available. Others will be filled at proper planting time.

China Maid—Rosy Pink	\$1.00 each
Christabel—Copper Red .....	.50 "
City of Lincoln—Red & Yellow Variegata	1.50 "
Depute Nomblot—Bronzed Purple & Claret .....	.25 "
El Capitan—Lavender Blue .....	.30 "
Frieda Mohr—Lilac Rose .....	.25 "
Golden Treasure—Cream and Gold .....	.50 "
Gudrun—White .....	.25 "
Happy Days—Deep Yellow .....	.30 "
Los Angeles—White, Veined Blue .....	.25 "
Missouri—Rich Blue .....	.50 "
Naranga—Deep Yellow Shaded Orange .....	.30 "
Shining Waters—Clear Blue .....	.35 "
Snowking—Pure White .....	.35 "
The Red Douglas—Best Red, Shaded Violet	1.25 "
Tiffany—Yellow, Veined Lilac Rose .....	.60 "
Treasure Island—Rich Golden Yellow .....	.50 "
Wasatch—Large White, Stitched With Blue .....	.30 "
William Mohr—Lilac, Completely Veined Violet .....	.35 "

Fall Blooming Iris

This interesting class blooms twice a year. Plant them in July for best results.

Autumn Queen (18'')—White

Jean Siret (18'')—Cream Yellow

Dwarf Pumila Iris (10'')

Three colors, white, violet blue, and yellow. 3 for 50c.

Kaempferi Iris (2'-3') *djnrsBQ*

The last of the Iris species to bloom. Their remarkable flowers are generally rather flat and wide. They are the most beautiful of all Irises, and should be planted in either early spring or fall in soil mixed with peat moss to produce acidity.

Fascination—Double mauve-pink, veined with white.

Gold Bound—Double pure white, gold banded center.

Koko-No-Iro—Double royal purple, yellow center.

Mahogany—Double purple mahogany-red.

Uchiu—Cerulean blue, veined white, gold center.

Any of the above, 3 for \$1.40; 10 for \$3.75.

Siberian Iris (36'') *djklrsBN*

An established clump often produces fifty or more flowering stalks. Grows long, thin, tubular stems with ornamental grass-like foliage.

Duchess of York—Standards dark violet; falls large, circular, rich blue.

Mrs. Rowe—A silvery white, flushed rose.

Thelma Perry—Large, China blue flowers with a white throat.

Any of above Siberian Iris, 3 for 70c; 10 for \$1.85.

Lily-of-the-Valley

American Pips (for outside planting only)—Extra strong. Pips, 25 for \$1.50; 100 for \$5.50; 250 for \$8.75.

Linum (Blue Flax)

Perenne cjsFJN (18'')—Blue flowers all summer. Pkt. 10c.

Lunaria (Honesty) (36'') *ajsCC*

Annus (Biennis) (St. Peter's Penny)—Purple, followed by silvery seed pods. Pkt., 10c.

Russell Strain cjsCM (36'')—Long, well-rounded symmetrical flower spikes of striking beauty. The color range is enormous and unique in character. Gold Medal, Royal Horticulture Soc., 1937. Pkt., 25c. Plants, 3 for \$1.50; 10 for \$4.00.

Lythrum (42'') *cjrCJS*

Roseum—Long spikes of rosy red blossoms are very pretty and help to fill in during the midsummer lull in the garden. Pkt., 15c. Plants, 3 for 90c; 10 for \$2.50.

Nepeta (Ground Ivy) (6'') *cjqCJ*

Mussini—Neat bushes of small mint-like foliage covered with spikes of lavender-blue. Seeds, Pkt., 25c. Plants, 3 for 70c; 10 for \$1.85.

Pentstemon (24'') *dksBJU*

Garnet—This outstanding novelty produces many long spikes completely covered with rich, garnet-red blossoms. Very desirable. Plants only, 3 for \$1.10; 10 for \$3.00.

Iceland Poppies *cjsFJU*

SANFORD'S GIANTS MIXED

This new strain of Iceland Poppies, we believe, is the finest obtainable. Great care in selection and reselection has produced a wonderful color balance, immense flowers and greater length of stems. Pkt., 50c; Plants, 3 for 90c; 10 for \$2.50.

Oriental Poppies *cksBJN*

Field grown roots of Oriental Poppies can be supplied beginning in August. Write for 1945 summer and fall price list.

Phlox Hardy (Decussata)

(30'') *dosCU*

Perennial Phlox has been called the "backbone of the garden." Its varieties bring forth their colorful flowerheads at a time during the summer when few other perennials are in bloom. Deep, consistent moisture and a little shade in the afternoon is ideal for them.

Africa—Carmine red, blood red eye.

Caroline Vandenburg — Magnificent lavender-blue.

E. I. Farrington—Salmon-pink to soft pink.

Leo Schlageter—New brilliant scarlet-red overcast glowing orange.

Lillian—Lovely pure salmon-pink, resembling Columbia.

Mrs. Jenkins (Independence)—Still the best pure white.

Widar—Large violet florets with clear white eyes create an unusual effect. Any of above, 3 for 90c; 10 for \$2.50.

Phlox Subulata

(Moss or Mountain Pinks)

(6'') *djuxB*

Atropurpurea—Deep carmine red. Brilliant display.

Blue Hill—Compact growth, showy pale blue flowers. Blooms spring and again in fall.

Dixie Brilliant (Nivalis Sylvestris)—Dense moss-green foliage, completely covered with large rosy red flowers in early spring, 3 for \$1.10; 10 for \$3.00.

Vivid—Bright pink, loveliest dwarf Phlox to date. 3 for \$1.10.

Price on Atropurpurea and Blue Hill, 3 for 90c; 10 for \$2.50.

Platycodon (2') *cjsCJ*

Grandiflorum Blue—Large, showy, deep blue flowers on 20 in. spikes. Pkt., 15c; Plants, 3 for 70c; 10 for \$1.85.

Primula (Polyanthus) (8'') *cluAMS*

Giant Munstead Strain—A wonderful improved strain of English polyanthus bearing giant flowers in many new and desirable colors. Plants only, 3 for 90c; 10 for \$2.50.

Pyrethrum (Painted Daisy) (24'') *cjrBJ*

Roseum Single and Double Mixed—An excellent variety of colors. 15% to 25% of the plants produce double flowers. Seed—Pkt., 25c; Plants, 3 for 70c; 10 for \$1.85.

Saponaria (6'') *cjqUBI*

Ocymoides—Very showy, producing masses of small, bright rose flowers. Pkt., 15c; Plants, 3 for 70c; 10 for \$1.85.

Shasta Daisy

See *Chrysanthemum Maximum*—page 31.

Sedum *ckquBJN*

Creeping plants that form a compact carpet.

Acre (4'')—Golden yellow, fine light green foliage.

Brilliant (6'')—Light rose red.

Stolonifera (5'')—Rosy pink. Fleshy succulent leaves.

Plants of any of above, 3 for 50c; 10 for \$1.50.



Hardy Phlox

Silene (6'') *cjuCT*

Schafta (Catchfly)—A charming border or rock plant, growing 4-6 inches high with masses of bright pink flowers from July to October. Pkt., 15c; Plants, 3 for 70c; 10 for \$1.85.

Sweet William

(*Dianthus Barbatus*)

(18'') *ejsBJN*

*Single Giant-flowered Mixed—Pkt., 10c.

Double Giant-flowered Mixed—Pkt., 15c.

Separate Colors, Single *Pink and *Red—Pkt., 15c.

Plants, those marked (*), 3 for 70c; 10 for \$1.85.

Teucrium (12'') *cjpuNW*

Chamaedrys—Dense bushy plants with glossy evergreen foliage resembling dwarf boxwood; may be used in place of boxwood where the latter is not hardy. Can be clipped to suit any height up to 12 in. Plants only, 3 for 90c; 10 for \$2.50.

Thymus (3'') *ckqu*

Serphyllum Coccineum—Creeping, wiry stemmed variety with small dark red flowers. Plants, 3 for 70c; 10 for \$1.85.

Valeriana (2') *cjsFJ*

Coccinea—Showy heads of old rose flowers. Seed, Pkt., 25c; Plants, 3 for 70c; 10 for \$1.85.

Hardy Verbena *eksFHN*

Canadensis Brilliant (12'')—Of spreading habit they produce a continuous supply of vivid glowing scarlet blossoms. Plants only, 3 for \$1.00; 10 for \$2.75.

Veronica *ckuBJN*

Rupestris Nana (6'')—Semi-creeper. Light green foliage. Sky-blue flowers on spikes 4 to 6 inches in length. Plants, 3 for 70c; 10 for \$1.85.

Vinca *djqxBN*

Minor (Grave Myrtle) (4'')—Glossy evergreen foliage forms a dense carpet sprinkled with blue flowers.

Major (10'')—This variety has larger leaves and is more erect than Minor. Plants only, either of above, 3 for 60c; 10 for \$1.75; 100 for \$15.00.

Violet

Odorata (Sweet Violet) (6'') *cjlqxAJ*—The popular, well-known violet. Large, simple, deep violet-blue flowers of exceedingly rich fragrance. (Seed not available this season.) Plants, 3 for 60c; 10 for \$1.75.

Yucca (6'') *cjtuBJ*

Filamentosa (Adam's Needle)—Handsome creamy white flowers. Sword-like foliage. Seeds, Pkt., 25c; Plants, 3 for 70c; 10 for \$1.85.

BEAUTIFUL PEONIES

The Peony roots offered this spring are those kept in storage after fall sales were over. You can gain several months of growth by planting now rather than waiting for next fall.

All f.o.b. Salt Lake City. If by mail, add 8c per plant; 50c per 10, extra for packing and postage.

OPPORTUNITY SPECIAL No. 535

From our fall collection of fine peonies we have made one superb mixture of all the choice and novel varieties that sold for from 55c to \$1.25 each. All of them are properly tagged, however, so that we may assure you of extra value and a fine color assortment.

SPECIAL PRICE—55c each; 5 for \$2.50; 10 for \$4.65

P.-W.'s HARDY WATER PLANTS

"Water Plants Just Grow"

Plant from Late Spring until August

Orders for water lilies requesting shipment by mail must include 12c each; 50c per 10 for packing and postage. For shallow water plants add 5c each; 25c for 10.

Attraction—The petals are Garnet red, with almost white sepals. One of the choicest of all water lilies. Flowers unusually large, sometimes 8 inches. One of the longest blooming hardy lilies. \$2.75 each.

Chromatella (Yellow)—Perhaps the most popular of all. Sulphur yellow in color with broad curving petals. Blooms throughout the spring and summer months. Leaves are handsomely splotted with maroon. Vigorous, very hardy. Special featured, \$1.25.

Conqueror—Large flowers, 8 inches in diameter, in a beautiful shade of cherry red which deepens with age. The sepals are white and the stamens are orange yellow. It is one of the showiest lilies and blooms continuously during the spring and summer. \$2.00 each.

Marliac Pink—Pale, pink flowers of unusual size and abundantly borne throughout the entire season. One of the most popular pinks. A good strong grower, one of the best for the amateur. \$2.00 each.

Marliac White—Snowy white petals with bright yellow stamens. The fragrant blossoms are five to six inches in diameter. Sepals are tinted with pink. In bloom continually. \$2.00 each.

Masaniello—Some years ago this splendid French hybrid was introduced, but all too soon our stock was sold out. Lately it has received much attention and we are again offering this fine variety. Its cup-shaped flowers are pink dotted with carmine and have a most pleasant fragrance. A free bloomer and very desirable. Special indeed at \$2.00.

Pink Opal—An attractive deep pink, a medium size flower. It is one of the finest pink lilies for cut flower purposes. The buds are nearly round. When open, the petals are short, and the flower stands well above the water. (Comparatively slow growing.) \$2.00 each.

SPECIAL No. 535-A

An Attractive Lily Pool Assortment—Consists of one each of Marliac White and Chromatella Lilies, 2 Arrowhead, 1 Parrot Feather, 1 Water Hawthorne and 4 Paper Shell Snails. SPECIAL PRICE \$3.75. If by mail add 25c for packing and postage.



A Garden with a Lily Pool

Sacred Lotus (4-6')

Grows luxuriantly during the summer months, sending up great shield-shaped leaves and gigantic blossoms. Start them in water 4 to 6 inches deep. The tub may be lowered as much as 8 inches after starting. Hardy throughout America. \$2.75 each.

SHALLOW WATER PLANTS

Naturalize the Shallow Edges of the Pool

Anacharis—A dark green underwater foliage plant that produces the necessary oxygen to maintain a balance for fish and snails. Especially fine for spawning fish. Bunch 25c.

Arrowhead—Leaves arrow-shaped. Plant bears large spikes of pure white flowers, about 2 feet tall. 25c each.

Parrot Feather—Green shoots trailing over the water, forms soft airy masses about the base of taller plants. One of the best for planting in fountain basins or along the rocks in pools. 25c bunch.

Water Hawthorne—Best of the small aquatics. The dainty white blossoms, sprinkled with tiny black anthers sparkle constantly all summer and even after ice forms on the pool. Plant in water from 4 to 12 inches deep. 45c each; 3 for \$1.15.

Scavengers for Pools

All aquariums and pools need scavengers—fish to feed upon the insects, snails to devour algae and green scum. In all well-balanced pools goldfish and snails should be kept.

Trapdoor Snails (large)—They do not lay eggs, but bring forth young fully developed. 2 for 25c.

Paper Shell Snails—Medium size, prolific egg layers, and very active scavengers. 15c a pair, 60c a dozen.

SUMMER FLOWERING BULBS

Numerals in () indicate approximate height at maturity in inches (") or feet (').

Apios Tuberosa (6'-8') *ints*

(*Tuberous-Rooted Wisteria*)

Excellent hardy climbing vine. Flowers fragrant. Color chocolate brown. Two to four bulbs should be planted together at a depth of 3-4 inches.

Price, 3 for 50c; 10 for \$1.50; 25 for \$3.00.

Anemone (St. Brigid Strain) (6"-12") *eorsS*

These lovely poppy-like flowers are exceedingly brilliant when in flower and excellent for cutting. The flowers range from single to fullest double, in white, crimson, cobalt-blue, lavender, heliotrope, rose, pink, or salmon. The season for planting outdoors is early spring. Spring plantings bloom in summer. Culture same as *Ranunculus*. Bulbs, 10 for 90c; 25 for \$2.00; 100 for \$7.50.

Begonias, Tuberous Rooted (4"-6") *fls*

Ideal for Shady Places

Few plants can equal these for garden show in brilliancy of color, duration, and perfection of bloom. The ideal situation is in a filtered sunlight where there is plenty of fresh air, protected from strong winds, as on the north side of buildings where they receive sunlight a portion of the day.

For best results, the tubers should be started indoors in January or February. Plant first in moist sand, and after they are well sprouted, put them in 4 in. pots in good, rich soil (about one-third Peat or leaf-mold, one-third well-rotted cow manure, and one-third good, sandy loam.)

After frost danger is over, plant outdoors. Set plants about 12 inches apart.

Double Giant Camellia—White, yellow, pink, salmon, red and mixed. (Illustrated in color on page 40.)

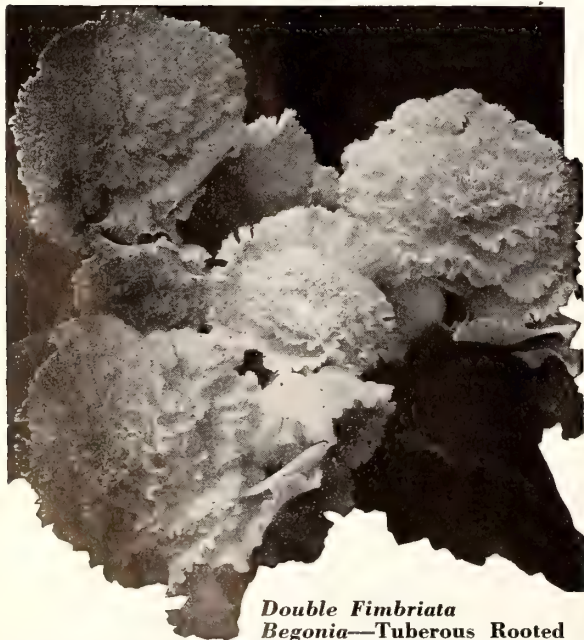
Double Fimbriata—White, yellow, pink, salmon, red and mixed. (Illustrated below and on page 40.)

Giant Singles—White, yellow, pink, salmon, red and mx'd. Prices—All varieties and colors:

Dormant Bulbs, 1 1/4"-1 1/2" diameter. (Available Feb. to April.) 3 for 90c; 10 for \$2.25; 25 for \$5.00.

Three-Inch Pot Plants—Available May to July. 3 for \$1.50; 10 for \$4.00; 25 for \$9.50.

If by mail add 15c for 3 or 40c per 10 for packing and postage.



*Double Fimbriata
Begonia—Tuberous Rooted*

Cinnamon Vine *djiv*

A beautiful, rapid-growing summer climber, with spikes of deliciously cinnamon scented, white flowers.

Price 3 for 35c; 10 for \$1.00; 25 for \$2.00.

Caladium (3'-4') *fosS*

They are of gorgeous tropical appearance in very large, rich green leaves.

Price, large size, 3 for \$1.15; 10 for \$3.50.

Cannas (4') *fksCN*

King Humbert—Scarlet flowers, bronze foliage. Large flowers freely produced, and handsome, broad tropical foliage.

The President—A rich glowing scarlet with immense rounded flowers, seven inches across, produced on strong stalks well above the heavy foliage. Free bloomer.

Yellow King Humbert—Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red; measuring 5 to 7 inches across, individual petals 3 to 3 1/2 inches in diameter.

Price of Cannas—

Dormant 2-3 Eye Roots—Available Feb. to April. 3 for 50c; 10 for \$1.50; \$10.00 per 100. Postage extra.

Four inch Pot Plants—Available April 20 thru June. 3 for 90c; 10 for \$2.50; \$20.00 per 100. Express ship't. If by mail add 20c for 3 or 50c per 10 for packing and postage.

Madeira Vine *fjicN*

Climbing Mignonette—A vine which will cover a large space in a short time. Fleshy heart-shaped leaves, and racemes of feathery fragrant flowers.

Price, 3 for 30c; 10 for 90c; 25 for \$1.75.

Montbretias Giant Mixed (24"-30") *fhrsCH*

These lovely flowers add beauty to any garden. The blooms are larger and the flower stems are very fine for cutting. The mixture contains many bright shades of yellow, salmon, scarlet and orange. Handle like *Gladiolus* and they will multiply rapidly.

Price, 3 for 30c; 10 for 90c; 100 for \$7.50.

Ranunculus (Buttercup) *ejorsN*

(See color illustration on page 40.) A wonderful range of colors. Culture: Best germination is acquired by placing tubers in a flat of sand, cover about one inch and keep moist. Place in a cool room for about one week or until sprouted, then plant outdoors when the soil becomes warm, placing the claws downward. They thrive in a drained sand loam. A small amount of peat moss or rotted compost should be worked into the soil to a depth of six inches, if needed. Before planting, the bed should be thoroughly watered. Cover the bulbs 2" and set 4-6" apart. Water sparingly until plants are well established, then they can use an abundance of water.

Price, 3 for 25c; 10 for 65c; 100 for \$5.00.

Tigridia (Shellflower of Mexico) *fhrsN*

Few flowers are more gorgeously colored or so beautiful. Plant in sunny position in a flower border in well-drained soil. Blooms from middle of July to September. Culture: Space large bulbs six to seven inches apart and five inches deep. They require average moisture, but can use lots of moisture during blooming season. Bulbs should be dug in fall and stored in damp sand throughout winter. (See color illustration, page 40.)

Price—Mixed Colors: 3 for 50c; 10 for \$1.50; 100 for \$12.50.

Tuberose (15") *fjrCU*

Double Dwarf Pearl—They have a rich, exotic fragrance. The lovely, large, wax-like flowers are borne on long, graceful stems. 3 for 40c; 10 for \$1.20; 100 for \$10.00.

GORGEOUS DAHLIAS

CONTINUOUS BLOOM FROM SUMMER UNTIL FROST

A Brand New List of The Better Varieties

In order to simplify our shipping system and to avoid confusion and errors, the prices on all Dahlia tubers are quoted f.o.b. Salt Lake City. If shipment is requested by mail add 3c each or 12c per five for packing and postage.

Large Exhibition Class

RED

Clara Clemens (Ball)—Deep rich red tipped with white. A favorite with the florists. 60c each; 3 for \$1.60.

Eleanor Francis (ID)—A vigorous plant producing many large long-stemmed flowers of bright vermilion red. Excellent cut flower. 60c each; 3 for \$1.60.

Mrs. Geo. Le Boutillier (D)—Enormous blooms of rich carmine. Very showy. Strictly a garden flower because of its great size. 40c each; 3 for \$1.10.

PINK

Jersey Beauty (FD)—One of the finest dahlias ever introduced. Vigorous plants with lovely pink flowers of excellent form. 45c each; 3 for \$1.20.

Rose Glory (FD)—Deep rose with good form. 35c each; 3 for \$1.00.

San Francisco (D)—Large twelve inch blooms in a gorgeous shrimp pink. One of the best for garden flowers. \$1.00 each; 3 for \$2.70.

Cameo (FD)—A distinctive coral rose with glistening gold shade and rose reverse. No other dahlia exhibits this delicate coral shade. 50c each; 3 for \$1.35.

YELLOW AND YELLOW BLENDS

Frau Ida Mansfield (SC)—Buttercup yellow with cleft petals. A striking flower with slender stems, fine for cutting. 50c each; 3 for \$1.35.

Miss Glory (SC)—Vigorous, highly productive plants with massive, yet refined flowers of luscious apricot yellow. 50c each; 3 for \$1.35.

Mme. Florent Braeme (C)—A most dainty cactus of beautiful salmon rose shading to gold. 50c each; 3 for \$1.35.

ORANGE

Chas. Mastick (FD)—Bright orange yellow shading to grenadine pink on the reverse. A heavy bloomer and an excellent cut flower. 50c each; 3 for \$1.35.

BLUE

Blue River (FD)—Large, and a profuse bloomer. As near to blue as we have in a dahlia. 60c each; 3 for \$1.60.

LAVENDER AND ORCHID

Orchid Ball (Ball)—A delicate shade of orchid. Excellent for cutting. 60c each; 3 for \$1.60.

Washington Giant (D)—Truly a giant. Pure lavender blended silver with long stiff stems. 60c each; 3 for \$1.60.

WHITE

Salbachs White (FD)—Full deep medium size white flowers with good stems. A profuse bloomer and one of the best whites for all purposes. 50c each; 3 for \$1.35.

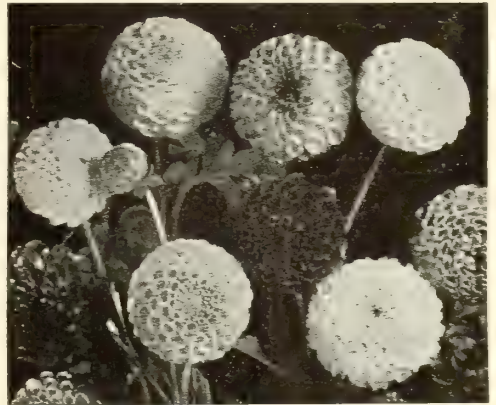
Miniature Class

The Miniature Dahlias bloom more freely than the large exhibition class. Because they require less staking, tying and disbudding, they are easier to grow. Their dainty 2 to 4 inch blooms are unexcelled for cut flowers.

Billy Boy (Ball)—Dark Red. Keeps well when cut. 50c each; 3 for \$1.35.

Dorene Crane (Cactus)—Golden bronze with long stems. 60c each; 3 for \$1.60.

Pink Gem (ID)—Exquisite soft bright pink. Profuse. 60c each; 3 for \$1.60.



A Group of Pompon Dahlias

Pompon Class

These are ball type Dahlias with compact 1 to 2 inch flowers on strong stems. The plants average 3½ feet tall and bloom very profusely.

Alice—Bright vivid red. 40c each; 3 for \$1.10.

Betty Anne—Light rose pink. 30c each; 3 for 80c.

Iolantha—Copper orange, fine for cutting. 30c each; 3 for 80c.

Joe Fette—Best pure white. 30c each; 3 for 80c.

Harmony Special No. 537

Select your own favorite color assortment of any Dahlias on this page which have a total value (at the each rate) of \$3.00.

SPECIAL PRICE \$2.50

If by mail add 12c for packing and postage

FOR LARGE PLANTINGS SELECT TWO OR MORE SPECIALS

GLADIOLI

The Most Popular Exhibition and Cut Flower Varieties

All Named Varieties Are Number One Top Size Bulbs

WHITE

Maid of Orleans (400)—Early pure white with cream throats. Holding several perfect florets open at once, it is excellent for exhibition. 3 for 35c; 10 for 95c; 100 for \$8.40.

Margaret Beaton—One of the most beautiful, and winner of many prizes. Very large, tall, pure snow white with small red blotch in throat. 3 for 43c; 10 for \$1.15; 100 for \$10.50.

MYRNA (400)—A beautifully ruffled creamy white that has won many prizes. The blooms are large and of heavy substance and opens as many as ten perfectly placed florets on a straight stem. 3 for 56c; 10 for \$1.50; 100 for \$13.50.

Solveig (401)—Glistening white flecked with lavender. One of the latest to bloom and holds 6 to 8 florets open at a time on tall straight spikes. 3 for 38c; 10 for \$1.00; 100 for \$9.00.

CREAM

Shirley Temple Midseason—Produces excellent spikes of the softest, yet richest deep cream color without suggestion of yellow. Flowers ruffled and very large. 3 for 35c; 10 for 95c; 100 for \$8.40.

BUFF and ORANGE

Amrita (416)—A very beautiful heavily ruffled flower in pastel shades of light buff with a yellow throat. Midseason. 3 for 38c; 10 for \$1.00; 100 for \$9.00.

BARCAROLE (424)—A large flower of an unusual but most exquisite clear clean shade of orange. A gorgeous new variety that must be seen to be appreciated. 3 for 40c; 10 for \$1.05; 100 for \$9.60.

YELLOW

Golden Chimes (410)—A fine early exhibition gladiolus. Clear light yellow and very beautifully ruffled. 3 for 38c; 10 for \$1.00; 100 for \$9.00.

Yellow Emperor (312)—The best all around deep yellow. 3 for 35c; 10 for 95c; 100 for \$8.40.

SALMON PINK

Aladdin Early—Immense ruffled salmon pink with cream blotch. Strong grower. 3 for 45c; 10 for \$1.20; 100 for \$10.80.

Picardy Midseason—A clear, soft, shrimp-pink with inconspicuous feathering of rose. A "must have" for everyone growing Glads. 3 for 35c; 10 for 95c; 100 for \$8.40.

LIGHT and DARK PINK

New Era—Eosine pink blended with LaFrance pink, soft cream throat. Richest color of any Glad introduced to date. Extremely ruffled. Very frilled. Ten open florets, 18 florets and buds. Consistent winner. 3 for 47c; 10 for \$1.25; 100 for \$11.25.

Peggy Lou Midseason—New light rose that has probably won more awards on the show table than any other variety outside of Picardy. 3 for 35c; 10 for 95c; 100 for \$8.40.

Schwabengirl (340)—Early, medium height and very prolific, holding open 6 to 8 large florets of true shell pink. 3 for 38c; 10 for \$1.00; 100 for \$9.00.

SCARLET and RED

ALGONQUIN (436)—A brilliant glowing scarlet of velvety substance. The conspicuously pointed, slightly ruffled petals give an unusual distinction of character. 3 for 49c; 10 for \$1.30; 100 for \$12.00.

Beacon Med. Early—Clear bright rose-scarlet with large cream blotch. It stands out like a beacon in any Gladiolus garden. One of the real 100 per cent class. 3 for 35c; 10 for 95c; 100 for \$8.40.

Coral Glow (350)—An outstanding smooth light coral red. Fine cut flower. 3 for 49c; 10 for \$1.30; 100 for \$12.00.

Master Myron (450)—A fine large exhibition "glad" in a clear bright shade of red. 3 for 40c; 10 for \$1.05; 100 for \$9.60.

OLD GLORY (550)—A very large and showy deep scarlet red. The florets often measure 6 inches across. One of the best exhibition varieties as well as a splendid cut flower. See color page opposite. 3 for 38c; 10 for \$1.00; 100 for \$9.00.

DARK RED

Moorish King Midseason—Very dark mahogany maroon of fine substance. One of the best "blacks." 3 for 40c; 10 for \$1.05; 100 for \$9.60.

LAVENDER

Minuet Midseason—Considered one of the best lavenders in existence, six blooms generally open at once. Strong spike and heavy foliage; a grand exhibition flower. 3 for 38c; 10 for \$1.00; 100 for \$9.00.

LIGHT VIOLET

Blue Beauty Early Midseason—An early light blue, darker towards edge. The best of its class. 3 for 43c; 10 for \$1.15; 100 for \$10.50.

REDDISH PURPLE

King Lear (470)—Big ruffled velvety reddish purple. Long flower spikes with 5-6 blooms open at one time on slender straight stems. The richest of all the purples. 3 for 38c; 10 for \$1.00; 100 for \$9.00.

SMOKIES

Chief Multnomah (480)—Subdued shades of copper, rose and brown blended in one rich color combination. 3 for 49c; 10 for \$1.30; 100 for \$12.00.

Recado (480)—A wonderful exhibition smoky. Color rosy ash with rose salmon veins and darker blotch in the throat. Altogether a very pleasing novelty. 3 for 38c; 10 for \$1.00; 100 for \$9.00.

Zuni Midseason—A refined combination of salmon and slate with a slight feather of orange-salmon. Many consider this the best smoky. Zuni is a strong, vigorous grower. 3 for 43c; 10 for \$1.15; 100 for \$10.50.

P.-W.'s Superb Mixed—Our special mixture from the best named types. A well-blended combination of all colors and shades. Plant plentifully so as to have cut flowers in quantity. 3 for 33c; 10 for 85c; 100 for \$7.50.

CONTROL THRIPS

or they will rob the plant of its vigor and the flower of its beauty.

Before Planting—Soak the corms for 8 hours in a solution of Lysol, 4 teaspoonfuls to a gallon of water. Lysol must be purchased from your Drug Store.

AFTER THE LEAVES ARE FOUR INCHES TALL, spray each week until near blooming time with tartar emetic. Formula: water, 5 quarts; Tartar Emetic, 1 oz.; brown sugar, 4 oz.

1 pound Tartar Emetic	\$1.05
5 pounds Tartar Emetic	4.50

GLADIOLUS

OLD GLORY (I-550) (below)

A very large showy deep scarlet red. Superior to Commander Koehl, having larger florets and brighter color. Fine for exhibition and cutting. 3 for 38c; 10 for \$1.00; 100 for \$9.00.



MINUET (F-446) (below)

Mid-season. A grand lavender exhibition flower. Excellent foliage and a strong spike that usually holds 6 florets open at one time. 3 for 38c; 10 for \$1.00; 100 for \$9.00.



"LUCKY SEVEN" SHOW WINNERS

Special No. 539
8 Corms Each

Aladdin
Barcarole
Blue Beauty
Chief Multnomah
Myrna
Moorish King
New Era



56 No. 1 Corms \$4.50
For packing and postage add 15c.



Spectacular Summer Flowering Bulbs

RANUNCULUS (Tecolote Giants) (Left)

A strain of giant double "buttercups" which includes all the most beautiful shades of orange, pink, yellow and red in an artistically blended mixture. Prefers light shade.

3 for 25c; 10 for 65c; 100 for \$5.00.

BEGONIAS TUBEROUS ROOTED (Below) Double Camellia Flowered—Single fringed or Fimbriata (double fringed).

Exquisite shades of pink, salmon, white, red and yellow are available in each of the three types. (See page 36 for cultural suggestions.)

**Dormant bulbs in colors or mixture: 3 for 90c;
10 for \$2.25; 25 for \$5.00.**

TIGRIDIA (Mexican Shellflower) (Below)

A fascinating flower with all the picturesque beauty and rich coloring of Old Mexico, its native land. Few flowers are more generously colored.

3 for 50c; 10 for \$1.50; 100 for \$12.50.



ALL AMERICA ROSE SELECTIONS

1945 NOVELTIES OFFER NO. 541

Each of the four outstanding roses in this group is an All America Winner of recent introduction. Only after being grown in competition in official trial gardens all over the United States are they given such high ratings as "All American."

FOUR FAMOUS ROSES (one of each) FOR \$6.50.
If by mail add 25c for packing and postage.

MME. CHIANG KAI-SHEK

(Plant patent applied for.) (Below)

As gracious as its name-sake this new light lemon yellow rose produces long pointed buds and beautifully formed flowers of good substance. Also highly prized for its long stems, vigorous bush, and luxuriant dark green foliage. **\$2.00 each.**



MIRANDY

MIRANDY (Plant patent No. 632)

The 1945 All America Winner. Long ovoid, rich red buds of unusual brilliance, generous with their penetrating perfume, and opening into beautifully formed flowers of velvety maroon red. Its tall vigorous habit and clean healthy foliage also helped make Mirandy the 1945 All America Selection. **\$2.50 each.**



KATHERINE T. MARSHALL

KATHERINE T. MARSHALL

(Plant patent No. 607)

All America pink for 1944. The satiny coral-pink buds and large petalled flowers have a gold suffusion toward the base, equally beautiful in the garden and under artificial light in the house. Its tall erect growth produces long cutting stems. **\$2.00 each.**



MME. CHIANG KAI-SHEK

HEART'S DESIRE

(Plant patent No. 501)

The big red, long-pointed buds are slow to unfurl, staying a long time in prime condition. Its fragrance is unsurpassed by any other hybrid tea rose. Truly the "heart's desire" of rosarians from coast to coast. **\$1.50 each.**



The
"Top-Notch"
Yellow

A Superb
Coral and
Salmon

Rich Glowing
Red

Most Popular
Pink

The Favorite
Copper
and Orange

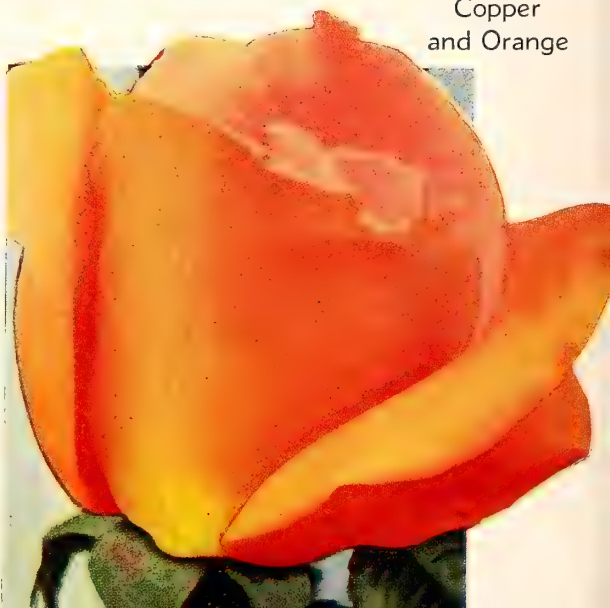
ROSARIANS' UNIVERSAL FAVORITES

Special No. 542

A short crop forces us to reserve the right of selecting the best varieties at the time of filling your order. All are outstanding leaders—**favorites of prominent rosarians**—and will be tagged with their variety names.

Five two-year-old Northern Field grown plants for \$3.50.

If by mail add 30c for packing and postage.





Stocks of choice rose bushes are very limited again this year because the great amount of hand labor required to produce them was not available. However, our stock of acclimated one, two and three year old roots is of the usual high quality and is stored during the dormant period under controlled temperature and humidity conditions which insure the greatest vitality at planting time.

In order to simplify our shipping system and to avoid confusion and errors, the prices on all roses are quoted f. o. b. Salt Lake City. We believe that uniformity in shipping practices will enable us to serve you more efficiently. Prices on all roses, unless otherwise noted: 85c each; 3 for \$2.40. If shipment is requested by mail add 14c each or 20c per 3 for packing and postage.

CRIMSON RED & SCARLET

- *Christopher Stone—A top crimson.
- E. G. Hill—Fragrant and free-flowering. Crimson.
- Etoile de Hollande—Finest choice in reds.
- *Grenoble—Glorious deep crimson-red.
- McGredys Scarlet—Dark glowing rose-scarlet.
- Night—One of the darkest of all roses. Medium sized flowers of deep crimson shaded black and maroon with spicy fragrance.
- Poinsettia—Glowing fire red; the brilliance of poinsettias at Christmas time. Long pointed buds, vigorous. \$1.00 each; 3 for \$2.50.
- Red Radiance—Clear, large, cerise-red.
- Southport—Brilliant scarlet. Lovely under artificial light.

Blends of

COPPER, ORANGE & SALMON

- *Autumn—Startling; rich burnt orange, yellow and red.
- *Duquesa de Penderanda—New apricot leader.
- Heinrich Gaede—Bright vermilion, toned gold; good form and fragrance.
- Mme. Edward Herriot—Coral red, shaded yellow.
- *Mme. Jos. Perraud—Novel nasturtium-orange, flushed shell-pink.
- *Pres. Hoover—Striking maroon-orange, gold and cerise-pink.
- Talisman—Sensational rich golden-reddish apricot, stained copper.

WINTER PROTECTION FOR ROSES

The wood of Hybrid Tea Roses is not sufficiently hardened by nature to prevent the evaporation of moisture from the stems during winter winds or on warm days that are followed by freezing nights. Soil is the best agent for retaining moisture and should be pulled up in a mound around each rose bush. Later, after the ground has frozen, a deep mulch of leaves or coarse strawy manure should be placed over and between the mounds.

YELLOW

- Golden Dawn—The ideal yellow garden rose. Magnificent, large, full petaled, tea-scented, maize yellow blooms are borne almost continuously. The glossy disease resistant foliage lends a perfect foundation to the whole picture.
- Golden Rapture—Beautifully formed buds, fully double blooms, rich yellow, long strong stems.
- Joanna Hill—Creamy yellow, shaded bronzy pink.
- Mrs. E. P. Thom—Double pure yellow.
- Mrs. P. S. DuPont—Free flowering, double, rich yellow.
- *Soeur Therese—Buds chrome yellow, flowers daffodil yellow.

PINK

- Edith Nellie Perkins—Delicate light cerise-pink; inside suffused gold.
- Los Angeles—Flame-pink, toned coral, gold base.
- Dame Edith Helen—Glowing two-toned pink.
- Editor McFarland—Perfectly formed, fresh deep pink.
- Miss Rowena Thom—Immense, bright pink, golden base.
- *Picture—Warm pink, under tones of salmon.
- *Pink Dawn—Perfectly formed, deep rose-pink, toned orange.
- The Doctor—Long, pointed buds; enormous bloom. Exquisite silvery pink. Intensely fragrant. \$1.00 each; 3 for \$2.50.

WHITE & BLUSH WHITE

- Caledonia—Exquisite, best pure white.
- McGredy's Ivory—Large, well-shaped creamy white, fragrant.
- Mme. Jules Bouche—White, blush center.

**We can furnish these varieties in one year old bushes. They are well rooted and will bloom the 1st season after planting.*

Priced special at 60c each; 3 for \$1.65. If shipment is requested by mail add 12c each or 18c per 3 for packing and postage.

MODERN NOVELTY ROSES

THE ALL AMERICA ROSE SELECTION WINNERS AND OTHER PATENTED VARIETIES

Anzac (Plant Patent applied for)—A vigorous and dependable bush that produces buds of coral and gold which unfold into very double Camelia-like flowers, the colors softening to rosy lake with yellow base. **\$1.50 each.**

Charlotte Armstrong (Pat. No. 455)—An All-America Rose. The magnificent long-stemmed flowers are spectrum red in the cooler seasons and cerise red during the summer heat. They open slowly and retain their beauty a long time. **\$1.50 each; 3 for \$3.75.**

Crimson Glory (Pat. No. 105)—Deep, vivid crimson held proudly high. Its fascinating fragrance makes it an instant favorite. **\$1.50 each; 3 for \$3.75.**

Douglas MacArthur (Pat. No. 581)—Strong, healthy bushes sending up numerous shoots clothed with dark green foliage. Long tulip-shaped buds open slowly into glorious flowers of rose, gold and salmon. A flower of regal beauty. **\$2.00 each.**

Grand Duchess Charlotte (Pat. pending)—AARS—This rose aristocrat reveals a new shade of red . . . a color heretofore unknown in rosedom. The beautiful long streamlined buds open to firm-petaled blooms which do not fade but gradually change to a lovely begonia rose. A delightfully informal flower with a hint of carnation fragrance. **\$1.50 each.**

Hearts Desire (Pat. No. 501) AARS—A truly red rose with long pointed buds. The large petals unfold slowly, revealing their fine substance, and lasting for a long time. Its fragrance, form, and strong vigorous growth have made it a leader in the rose world. (See page 41.) **\$1.50 each.**

Katherine T. Marshall (Pat. No. 607)—A satiny deep coral pink with petal bases of gold, equally beautiful in the garden or indoors under artificial light. Its large petalled, double flowers of good substance and moderate perfume together with strong, erect canes and dark green leathery foliage make it a truly delightful rose. (See color illustration, page 41.) **\$2.00 each.**

Lowell Thomas (Pat. No. 595)—A colorful butter-yellow that does not fade. The pointed buds unfold to large open flowers with an alluring, delicate perfume. Its growth is also strong and vigorous and dark green leaves give it a luxuriant appearance. **\$2.00 each.**

Major Shelley (Pat. No. 447)—Well formed, delightfully fragrant, flowers of deep scarlet are freely produced on long stems. **\$1.00 each.**

Mary Margaret McBride (Pat. No. 537)—AARS Winner for 1943. The double blooms are large and high-centered. The color, borrowed from the radiant glow of a summer sunset, is a clear, deep coral-pink suffused with shimmering gold at base of petals. Flowers remain in never-fading glory throughout the hottest summer weather. Luxuriant, smooth, leathery, deep green foliage. **\$1.50 each.**

Mirandy (Pat. No. 632)—Winner of the All-America Rose Selections for 1945 introduction. A plant of tall vigorous habit, freely producing its glorious buds which open into large very double blooms of rich maroon red with penetrating fragrance. (See color page 41.) **\$2.50 each.**

Mme. Chiang Kai-Shek (Pat. applied for)—Well shaped, long tapering buds of clear lemon yellow open into beautiful flowers of creamy yellow. The bush has a strong upright habit of growth and glossy disease-resistant foliage. All-American Winner for 1944. (See color illustration, page 41.) **\$2.00 each.**

Pearl Harbor (Plant Patent applied for)—A rose of exceptional vigor and floriferousness. Its magnificent long pointed buds open into flowers of a delicate shell pink shaded golden bronze at the base and Tyrian rose on the reverse side of the petals. **\$1.50 each.**

Rex Anderson (Pat. No. 335)—Delicate ivory white, perfectly formed, with soft fragrance. Blooms open slowly and last long. Rex Anderson has become the standard of comparison for large white roses. **\$1.50 each; 3 for \$3.75.**

Santa Anita (Pat. No. 539)—This rose is loveliness exemplified. Its perfectly formed long pointed buds unfold into glorious flowers of clear crystal pink, possessing exquisite fragrance, all of which place Santa Anita at the very zenith of the outstanding pinks. **\$1.00 each; 3 for \$2.55.**

Shangri-La (Plant Patent applied for)—The long pointed perfectly formed buds of Shangri-La open into lovely flowers, whose tints and shades of blush salmon and rose are delicately blended into one clear and sparkling light. **\$1.50 each.**

Texas Centennial (Pat. No. 162)—Bright glowing carmine red. A sport of President Herbert Hoover, inheriting the healthy habit and vigorous growth. **\$1.25 each.**



Double Hybrid Tea Rose

GOOD PLANTING PRACTICES INSURE SUCCESS

Always dig holes large enough to accommodate the roots without crowding. Get the bud or graft 1 or 2 inches below the surface and use good top soil but no fresh fertilizer around the roots. Press the soil firm and water copiously. Never neglect pruning the branches down to 6 to 8 inches. Cover the remaining branches with a mound of soil and keep moist. The mound of soil should be worked down gradually after the shoots appear.



Fig. 1—Set the bud 1 or 2 inches below the surface.



Fig. 2—Prune back to 6 or 8 in. and pull a mound of soil up over the stems.

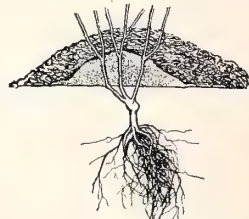


Fig. 3—Winter protection. A mound of soil covered with leaves or straw manure.

SHRUB ROSES

Hardy—Vigorous—Permanent

The Appropriate Background for the Hybrid Tea Rose Garden

Hybrid Perpetuals *gkpsBNVW*

These were the popular roses of forty years ago, and are no less dependable in the gardens of today, particularly in colder sections and high altitudes.

American Beauty—Carmine-red.

American Beauty White—Vigorous grower.

Rugosa and Hybrid Rugosa *gkpsFNVW*

The Rugosas are a distinct class having dark green, very deeply wrinkled leaves and double flowers with short ruffled petals. They make permanent shrubs 3 to 4 feet tall and are quite everblooming.

Dr. Eckener—Semi-double flowers of coppery rose and golden yellow. Very fragrant. (H. 5'-6'.)

F. J. Grootendorst Red—Red flowers in clusters. (H. 3'-4'.)

F. J. Grootendorst Pink—Pink flowers in clusters. (H. 3'-4'.)

Sweet Brier and Shrub Roses *gkptBNVW*

In the shrub border or as a background for a bed of Hybrid Tea Roses there is no finer subject than one of the sweet briars or shrub roses. The gracefulness and delicate coloring of *Rosa Hugonis*; as well as the natural untrained form and striking hues of Austrian Copper win favor in the best garden circles.

Austrian Copper—Bright, coppery red, the reverse of the petals golden yellow. (H. 6'-7'.)

Rosa Hugonis—Delicate yellow single flowers on long, arching sprays early in May. (H. 6'-7'.)

Rubrifolia—Starry, single flowers of intense pink. Bronze red foliage. (H. 6'-7'.)

Skyrocket—Large clusters of brilliant red blooms throughout the entire season. (H. 5'-6'.)

Price of all "H.P.," Rugosa and Brier Roses—85c each; 3 for \$2.40.

Orders for mail shipment must include 14c each or 20c per 3 for packing and postage.



"Shrub Rose"—*Rosa Hugonis*

"ANYONE CAN GROW A ROSE"

A free leaflet entitled, "Anyone Can Grow a Rose," contains a brief discussion on location, soil, planting, watering, pruning, fertilization, winter protection and pest control. A valuable guide for the Amateur rose gardener. Write for this and other cultural helps.

EVERBLOOMING POLYANTHA AND FLORIBUNDA ROSES

Hardy as Oaks; bloom as freely as Geraniums. A mass of color from June till snow

Hardy, everblooming, specially bred for mass planting. They are not only permanent but are more colorful and beautiful than the tender-foliaged bedding plants used heretofore for this purpose. Plant about 16 inches each way.

FLORIBUNDA ROSES *hkpsAVW*

Large Flowering Clusters

Dagmar Spaeth—A true white sport of Lafayette bearing flowers of the same lovely form. Its large showy trusses are produced all summer. It is often called the best white floribunda.

Else Poulsen—Lasting brilliant, two-toned rose-pink. Semi-double, sweetly scented. (H. 30"-36".)

Improved Lafayette—Medium sized deep glowing red flowers suffused with vivid crimson. (H. 18"-24".)

POLYANTHA ROSES *gkpsFVX*

Small Flowering Clusters

Chatillon—Clear, pink flowers bloom continuously in huge clusters, resembling large heads of phlox. (H. 18"-24".)

Golden Salmon—Huge clusters of bright salmon-orange; profuse bloomer. (H. 18"-24".)

Mlle. Cecile Brunner—The "Sweetheart" rose. Perfect for boutonnières. Dainty sea-shell pink; delightfully fragrant. (H. 18"-24".) 85c each; 3 for \$2.40.

Ideal—Garnet red. One of the finest deep red Polyanthus (H. 24"-30".)

Price for all Floribunda Roses—Hedge size: 60c each; 3 for \$1.65.

If by mail add 12c each or 18c per 3 for packing and postage.

HARDY CLIMBING ROSES *hjtBNVY*

These hardy June blooming climbers have long runners that are easily trained over fences or arbors and can even be used as ground covers

American Beauty—Has the same deep rose-pink color, large size and sweet fragrance of the American Beauty bush type.

American Pillar—Flowers single, three to four inches across, of a lovely shade of pink, with a clear white eye and long, golden stamens.

Dr. W. Van Fleet—The long, pointed buds are of rich flesh-pink on stems 12-18 inches long.

Paul's Scarlet—The flowers are an intense vivid scarlet, semi-double, and very freely produced in clusters of from 3 to 20 blooms on long-branched cones. A mass of color.

Paul's Lemon Pillar—Pale lemon buds and light yellow, double, well-formed fragrant flowers. Strong grower.

Mary Wallace—Flowers are well formed, rose-pink with salmon base; large, glossy foliage.

Silver Moon—Beautiful semi-double flowers four inches and over in diameter, pure white, beautifully cupped with golden stamens in center.

Price of all hardy climbing roses, except where noted—85c each; 3 for \$2.35. Postage and packing 14c each or 20c per 3.

QUANTITY RATES AND SHIPPING ROSE CROP IS SHORT—ORDER EARLY

Three plants of one variety and size will be supplied at the three rate. Assorted items fewer than three of one kind and size will take the each rate. All prices are f.o.b. our nursery.



Climbing Roses for Charming Effect

EVERBLOOMING CLIMBERS *hktFVW*

Sturdy canes and quite erect growth characterize these lovely roses. While they do not bloom as constantly as their "Hybrid Tea" parents, their bloom period does recur, placing them in the everblooming class.

Cl. Etoile de Hollande—Magnificent both in bud and bloom. Flowers identical to the bush form.

Cl. Gold Rush—Its smooth petals of the color and richness of molten gold, form beautiful high-centered roses which reach the acme of perfection. Its beauty is enhanced by an abundance of glossy, ivy-green foliage. **\$1.00 each.**

Cl. Hearts Desire (Patent Rights Reserved)—The climbing form of the popular Hearts Desire has accentuated all of the fine characteristics of its parent. Deep rich red, long-pointed buds, with enchanting fragrance. **\$2.00 each.**

Mermaid—Blooms steadily throughout the season and produces quantities of exquisitely beautiful single flowers of great size, pale sulphur-yellow with a gold center. Its bright, glossy evergreen foliage is just as beautiful in winter as in summer.

Cl. Mme. Ed. Herriot—Brilliant coral-red buds opening to flowers of flaming pink and orange.

Cl. Mme. Jules Bouche—Best double, white, borne singly on long stems; pleasantly fragrant.

Cl. Mrs. E. P. Thom—Well-formed blooms of clear yellow, one of the best yellows.

Cl. Pink Dawn—A lovely blend of Pink shades. Like other climbing Hybrid Tea Roses it produces many more blooms than the bush form. **\$1.00 each; 3 for \$2.75.**

Cl. President Hoover—The same high qualities and blooms as the bush form. Maroon-orange, gold and cerise-pink.

Cl. Reveil Dijonnais—One of the most spectacular of all climbers; so rich in coloring that you can hardly believe that the blooms are real. The immense blooms are a brilliant cerise-pink with a yellow center. **\$1.00 each.**

Cl. Talisman—Flowers same as bush form; rich golden, reddish-apricot stained copper.

Cl. Texas Centennial (Patent No. 565)—Bright glowing carmine red flowers on long stems open from large buds of excellent form. The plant is vigorous and disease resistant. **\$1.50 each.**

Price of all Everblooming Climbing Roses, except where noted—95c each; 3 for \$2.60. Postage and packing 14c each or 20c per 3.



*Typical Buds From
Everblooming Climbers*

P.-W.'s HARDY SHRUBS

Following each variety and the informational code, we indicate the height and spread at maturity. For example: (H 3-4, S 3-4) may be interpreted: "height 3 to 4 feet, spread 3 to 4 feet." It is understood that the sizes given are only approximate and will vary considerably according to soils and climate.

All prices on shrubs are f.o.b. Salt Lake City. See page 59 for quantity price schedule. If wanted by mail, add postage at zone rates. The shipping weights are as follows: Size 18"-24", one only weighs 3 lbs.; add 2 lbs. extra for each additional plant. Size 2'-3', one only weighs 5 lbs.; add 3 lbs. extra for each additional plant. Size 3'-4', one only weighs 7 lbs.; add 4 lbs. extra for each additional plant.

Almond

Double Flowering hkvAUVW (H 3-4, S 4)—Completely covered with sweetly scented flowers before the leaves appear.

Pink or White, each, 18-24", 75c; 2-3', \$1.00.

Berberis

Japanese Barberry gjpυvBENVW (H 3-4, S 3-4)—Too well-known to require any comment. In fall its colored foliage and red berries cheer the boundaries of millions of gardens and homes.

18-24", 60c; 2-3', 75c; For hedges, 12-15", 25 for \$7.00, 100 for \$25.00.

Mentor Barberry (Berberis Mentorensis) Pat. No. 99 gjpυv-BNVW (H 3-4, S 3-4)—New hardy semi-evergreen barberry. Sturdy, erect growth carries a thick, dark, attractive green foliage right down to the ground.

12-15", 50c; 5 for \$1.90; 100 for \$30.00. 15-18", 60c; 5 for \$2.25; 100 for \$35.00. 18-24", 70c; 5 for \$2.85; 100 for \$45.00.

Red Leaved Barberry (B. Thunbergii Atropurpurea) gkpυv-BENVW (H 3-4, S 3-4)—Identical with the popular Japanese Barberry except foliage, which is a rich, bronzy red color. See color illustration.

15-18", 60c; 5 for \$2.25; 100 for \$35.00. 18-24", 70c; 5 for \$2.85; 100 for \$45.00.

Buddleia (Butterfly Bush) hjrtFUVX

Dubonnet (H 6, S 4)—Long firm spikes of the lovely Dubonnet wine shade. The shrub is erect, strong stemmed, and has very attractive leathery foliage. 1-year plants, 65c each; 2-year plants, 75c each.

Ile de France (H 5-6, S 4-5)—New, dark, claret-purple; long spikes, free flowering, vigorous. 1-year plants, 65c; 2-year plants, 75c.

Caragana

Siberian Pea Tree gkptBNVW (H 8-10, S 8)—Compound leaves, bright green; numerous small clusters of yellow flowers.

2-3', 60c; 18-24", size for hedges, 10 for \$3.25, 25 for \$7.25; 100 for \$25.00.

Hansen's Bush Cherry gkprBUV

These new dwarf fruit bushes (H 3-4, S 4-5) are excellent for hedges and ornamental shrubs. They are perfectly hardy, even in the generally colder sections where they are extensively planted for their fruit. 2-3', 75c each.

Cornus (Dogwood) glntBNVX

Golden Twig (C. Stolonifera Lutea) (H 7-8, S 7)—Clusters of white flowers; stems and branches are yellow. 2-3', 75c.

Red Siberian (C. Sibirica) (H 6-8, S 6)—Produces cream-colored flowers, light blue fruits, and bright red twigs and branches. 2-3', 75c; 3-4', \$1.00.

Cotoneaster gjtvBENVW

Acutifolia (H 6-7, S 5-6)—Especially desirable for its dense, dark green foliage effect; blooms pinkish white, berries black. 18-24", 60c; 2-3', 75c.

Divaricata (H 5-6', S 4-5') One of our most graceful and most beautiful shrubs. The branches from the center stand quite erect, creating an informal dome above the arching side branches, the whole being covered with small, glossy, pointed leaves. It is covered in the spring with dainty pink blossoms and in the fall with an abundance of shiny scarlet berries.

Bare root 2-3', \$1.25; 3-4', \$1.50. Balled and Burlapped—2-3', \$1.75; 3-4', \$2.00.

Althea (Hibiscus) (Rose of Sharon)

(H 10', S 5') hjptCNVW

Coelestris Blue—The gorgeous single disc-like flowers are produced in great quantity. Planted with the white variety, Snowdrift, it creates a most beautiful color effect.

Snowdrift—Giant single, pure white flowers fully 4 inches across.

Rubis—Very large wide open flowers of deep rose-pink with deeper center. The best and most brilliant of all single pink varieties.

Price of any of above, 2-3', 75c each.



Buddleia (Butterfly Bush)
Ile de France



Mentor Barberry

Cydonia (Fl. Quince)

Japonica (Japanese Quince) gkpsvANVW (H 4-5, S 5)—Brilliant crimson flowers, among the first in the spring. See color illustration, page 51. 18-24", 75c; 2-3', \$1.00; 3-4', \$1.25.

Ruby Flowering Quince (Dwarf) gksuAENVW (H 3-4, S 3-4)—Low, neat habit of growth; good foliage, and attractive flowers, 18-24", 75c; 2-3', \$1.00.

Deutzia

Gracilis (Slender Deutzia) houvBUVW (H 2-3, S 3)—A favorite dwarf shrub covered with spikes of pure white flowers. 15-18", 75c.

Lemoine hopUBUVW (H 3-4, S 2-3)—Flowers single white, borne on upright branches, 2-3', 90c.

Eleagnus

Umbrellata (Autumn Eleagnus) gjtBENW (H 10, S 8-10)—Shrub with handsome gray-green foliage; flowers yellowish white and very fragrant. 3-4', \$1.00.

Russian Olive—See page 58.

Euonymus hjtBEVW

Alatus Compacta (H 5-6, S 5)—Foliage bright green, changing to a deep rose in autumn, a color unusual among shrubs. Its winged branches and orange-red berries make it invaluable for winter landscapes. 18-24", \$1.25.

Americana (H 7-8, S 6-7)—Similar to the above, except that it is a larger grower. 2-3', 90c.

Forsythia (Golden Bell) gjtAVY

Fortunei (H 7-8, S 6)—Strong, erect habit; bright golden yellow flowers before the leaves appear. 2-3', 60c; 3-4', 75c; 4-5', \$1.00.

Spectabilis—The showy border Forsythia. Because of its pleasing habit of growth, hardiness, and its large, profusely borne flowers, it is the best and most useful of all Forsythias. See color illustration, page 51. 18-24", 50c; 2-3', 75c; 3-4', 90c; 4-5', \$1.25.

Fringe Tree

Rhus Cotinus gjtBUVW (H 8-10, S 8)—Known as purple fringe. A garden favorite for 2,000 years. This is a most interesting and distinctive flowering shrub. 2-3', \$1.25.

Hydrangea

Aborescens Grandiflora (Hills of Snow or Snowball Hydrangea) hosvBSVX (H 3, S 3)—Snow white blossoms of largest size, 2-3', \$1.00.

Paniculata Grandiflora "Pee Gee" hosvCSVX (H 5-6, S 5)—Blooms pure white to pink, and finally to a beautiful rich coppery red. 2-3', \$1.00.

Oak-Leaved (Quercifolia) hosvCSVX (H 3-4, S 3)—Leaves similar to an oak leaf. Pure white flowers borne

in huge panicles; colorful autumn leaves. 18-24", \$1.25.

Honeysuckle (Bush Lonicera)

Tartarian gjptBENOVW (H 8-10, S 6-8)—*Pink, white and *red. Most popular of the bush varieties.

***Pulcherrima** gjlptBENOVW (H 8-10, S 6-8)—A new bright red Tartarian.

Fragrantissima (Winter Honeysuckle) gjlpstvANVW (H 6, S 4)—Fragrant white and yellow flowers with semi-evergreen foliage.

Korolkowi Floribundi (Blueleaf Honeysuckle) gjltvBNVW (H 6-8, S 4-5)—A novelty with blue-green foliage and rose-pink flowers. 2-3', \$1.25.

***L. Morrowi** gjlptBENOVW (H 6-8, S 6)—White and yellow flowers. No species more handsome in fruit than L. Morrowi.

Maacki (Podocarpa) gjptBENVW (H 8-10, S 8)—Late Honeysuckle. A newer species to the American gardens; large milk-white flowers clustering its rigid branches from base to tip; leaves hold until late in November. Berries dark red. 2-3', \$1.00.

Any of the above Honeysuckles, except where noted—Price, 18-24", 45c; 2-3', 65c; 3-4', 75c; specimen clumps, or varieties marked (*), \$1.50.

Kerria

Japonica Double hjlvFNWX (H 4-5, S 3)—A graceful shrub with attractive orange-yellow flowers, bright green leaves and bark. 18-24", 75c; 2-3', \$1.00.

Kolkwitzia Amabilis

Beauty Bush hktvBUVW (H 6-8, S 6)—Long, arching branches; all the merits of a perfect shrub, combining hardiness, beauty of foliage, and amazing profusion of pale pink, bell-shaped flowers. See color illustration, page 51. 18-24", \$1.00; 2-3', \$1.25.

Ligustrum

Vulgare (English Privet) gjlptBENVZ (H 10-12)—A hardy plant with lustrous black berries and dense, deep green foliage. 2-3', 40. For hedges, 18-24", 25 for \$6.50; 100 for \$20.00; 2-3', 25 for \$9.75; 100 for \$30.00.

Ipota Regelianum (Regel's Privet) hjlpxBENVZ (H 6-8, S 4-5)—Its horizontal effect with its wealth of metallic black berries in the fall make it a desirable subject for shrub groups. 18-24", 75c; 2-3', \$1.00.

Lodense (Dwarf Privet) hjlvNWZ (H 2-3)—Glossy, deep green foliage; splendid for dwarf shrubs and low hedges. 15-18", 45c. For hedging, 9-10", 25 for \$8.75; 100 for \$30.00; 12-15", 25 for \$11.50; 100 for \$35.00; 15-18", 25 for \$13.00; 100 for \$40.00. Specimen clumps, 18-24", \$1.00 each.



Fringe or "Smoke Tree"



Honeysuckle Pulcherrima



Kolkwitzia Amabilis (Beauty Bush)

GORGEOUS NEW FRENCH LILACS

(H 10-12') *gjtBNVY*

GROWN ON THEIR OWN ROOTS
ADAPTED TO INTERMOUNTAIN CLIMATE
BLOOM WHEN YOUNG — WIDE VARIETY OF COLOR

Lilacs are best planted from late October until the ground freezes, but very early spring planting will also give good results. (D) following the name indicates double petal arrangement; (S) indicates single.

Charles Joly (D)—Even toned, dark purple-red. 18-24", \$1.25; 2-3', \$1.50.

Lamartine (S)—Large clusters of mauve pink flowers. One of the earliest to bloom. 2-3', \$1.50; 3-4', \$1.75.

Leon Gambetta (D)—Buds cinnamon drab, opening pinkish lilac. One of the finest of all. 18-24", \$2.50; 2-3', \$3.00.

Marshal Lannes (D)—Buds carmine opening to large flowers of clear bluish violet. A strong grower and late bloomer. 2-3', \$2.50.

Michial Buchner (D)—Medium sized flowers in long clusters, varying from lilac to pale lilac blue. 18-24", \$1.25; 2-3', \$1.50.

Miss Ellen Willmott (D)—Immense panicles of perfectly formed creamy white flowers. The greatest double white lilac. 18-24", \$2.50; 2-3', \$3.00.

Mont Blanc (S)—Buds greenish yellow, opening pure white. 18-24", \$1.25; 2-3', \$1.50.

Mme. Lemoine (D)—Buds viridine yellow, opening snow white. 18-24", \$1.25; 2-3', \$1.50.

Pres. Grevy (D)—Not new, but still regarded as one of the best double clear blue lilacs. It is a strong grower. 18-24", \$1.25; 2-3', \$1.50.

Pres. Falieres (D)—A lavender rose marked with white. The panicles are large, loose and showy. 2-3', \$2.50.

Pres. Poincare (D)—The buds are purplish red opening to giant double flowers with bluish centers and purple edges, the whole flower delicately tinted with pink. 2-3', \$2.50.

Ruhm Von Horstenstein (S)—Immense blooms of light red-purple. 18-24", \$1.25; 2-3', \$1.50.

Sov. De Ludwig Spaeth (S)—Buds carmine to Schoenfeld's purple, opening rose-purple. 18-24", \$1.25; 2-3', \$1.50.

Lilac Species

Josikaea (Hungarian Lilac) gjtBNVW (H 10)—Erect purple flowers blooming late in June. 2-3', 90c.

New Chinese or Rothomagensis gjtBNVW (H 10)—A distinct hybrid variety with slender stems, reddish purple flowers. 2-3', 90c; 3-4', \$1.25.

Persian gjtBNVW (H 10)—Light purple flowers with slender, drooping branches. 2-3', 75c; 3-4', \$1.00.

Vulgaris gjtANORVW (H 12-15)—The well-known old fashioned common Lilac. We furnish both the White and Purple. 2-3', 75c.

SPECIAL OFFER No. 549

Prolong the Lilac Season

Fr. Hybrid Lamartine—3-4'. Very early.

Chinese—2-3'. Early midseason.

Miss Ellen Willmott—2-3'. Midseason.

Hungarian-Josikaea—2-3'. Very late.

One of each of above for

If by mail add 40c for Packing and Postage

\$5.00

Philadelphus (Mock Orange) *gjstBNPVW*

Bouquet Blanc (H 4-5)—Semi-double blooms; bouquet-like clusters.

Coronarius (H 6-8, S 4-5)—Large, single flowers; grows tall and upright.

Lemoine (H 4-5, S 4)—A smaller and more delicate form than the others.

Virginalis (H 7-8, S 7)—A vigorous, tall grower, with very large, double-crested, sweetly-scented clusters of pure white blossoms throughout the season. 18-24", 75c; 2-3', \$1.00; 3-4', \$1.25.

Any of the above varieties, except where noted, 18-24", 60c; 2-3', 75c

Potentilla

Fruticosa gkmuFNVW (H 2-3, S 3)—A dwarf shrub, producing an abundance of yellow blossoms over a long period of time. 18-24", 75c.



Typical French Lilac Bush

SPECIAL 549A SHRUBS FOR SHADY PLACES

6 three-year-old shrubs

1 Honeysuckle Morrowi, 1
Berberis Mentorensis, 1 Sym-
phoricarpus Chenaulti, 1
Symphoricarpus Snowberry,
1 Spirea Arguta, 1 Regel's
Privet.

SPECIAL at **\$3.50**

If by mail add 50c for Pack-
ing and Postage



Philadelphus Virginalis

Physocarpus (Ninebark)

Opulifolius Nana gostBNVW (H 4-5, S 5)—Dwarf form, dense growing, attractive white flowers followed by red seed pods. 2-3', 75c.

Rhodotypus

Kerrioides (White Kerria) hjlmsvEVW (H 4-5, S 3)—White flowers and black fruits which hang all winter; foliage very attractive. 2-3', \$1.00.

Rhus (Sumac)

Canadensis Dwarf hjmsuxBNVW (H 3-4, S 4-5)—Blossoms yellow catkinlike, its foliage differs greatly in texture from that of other Sumac and is very fragrant when crushed. 18-24", 90c.

Glabra gmtBNVW (H 6-8)—A new cut-leaf variety with a splendid fruit display. 3-4', 90c.

Typhina (Staghorn Sumac) gjmtxBENVW (H 10-12)—Develops colored leaves and red fruit. 2-3', 60c; 3-4', 70c; 4-5', 80c; 6-8', \$1.25.

Typhina Laciniata gjmtxBNVW (H 8-10, S 6)—A cut-leaved variety producing a fern-like foliage effect. 3-4', 90c.

Robina hjmstxBUVW

Hispidia (H 4-5, S 5)—This beautiful shrub is much appreciated because of the abundance of its large, pea-like, rose-pink flowers. 2-3', \$1.00.



Symphoricarpos Chenaulti



Symphoricarpos Racemosus (Snowberry)

Sambucus (Elder) gjnstBNVX

Acutiloba (Cut-Leaf Elder) (H 8-10, S 8)—Attractive, finely cut green leaves, white fragrant flowers followed by clusters of blue-black berries. 2-3', 75c.

Canadensis Aurea (Golden Elder) (H 8-10, S 8)—Bright yellow foliage; commonly used in massed plantings to avoid monotony in the green effect. 2-3', 75c.

Sorbaria gjlotCSVX

Aitchinsoni (H 6-8, S 6-8)—Handsome shrub, the bright green fern-like foliage contrasting well with the bright red stems; white flowers in upright panicles 12" long. 2-3', 75c; 3-4', \$1.00.

Spirea

Arguta gjsvANVWY (H 4, S 3)—Fine, deep green foliage; minute, purest white flowers.

Frobeli gjusBCNVY (H 4, S 4)—Leaves are purple when young. Deep rosy blooms are borne in abundance.

Prunifolia (Double Bridal Wreath) hjsvANVWY (H 6, S 6)—One of the best; a beautiful shrub of medium size, double white flowers. 2-3', 90c.

Thunbergii gjsvANVWY (H 5, S 5)—Graceful and beautiful at all seasons; flowers white. Any of the above except *Prunifolia*, 18-24", 60c; 2-3' 75c.

Van Houtte (Bridal Wreath) gjpstvBNVWY (H 6-8, S 6)—The most widely used shrub in cultivation. It is round and graceful, with long, thin, arching branches. Flowers in white clusters, so numerous that when in full bloom the bush resembles a snowdrift. 18-24", 40c; 2-3', 60c; 3-4', 75c. Special for borders and hedging, 18-24", 10 for \$3.50; 25 for \$9.25; 100 for \$30.00.

Symphoricarpos gjlmnpusvBENVW

Chenaulti (H 4-5, S 5)—A hybrid, the foliage is smaller and the plants are neater throughout than *Vulgaris*. Handsome red fruit.

Racemosus (Snowberry) (H 4-5, S 4)—A graceful shrub, chiefly planted for its waxy white fruit.

Either of the above *Symphoricarpos*—Price, 18-24" 50c; 2-3', 65c; 3-4', 75c. For informal border screens, 18-24", 10 for \$3.50; 25 for \$9.25; 100 for \$30.00.

Tamarix gjmtxBNRVWY

Hispidia (Kashgar) (H 15, S 6)—A distinct variety with delicate soft pink sprays of flowers in early spring and again in July. 2-3', 65c; 3-4', 75c.

Vitex hjmstvDVX

Macrophylla (H 6-8, S 6)—A most graceful plant with nicely divided aromatic foliage. Pretty lavender-blue flowers arranged in whorls on long, graceful, terminal spikes. 2-3', \$1.00.

Viburnum

Americanum gjmtBENVW (H 10-12', S 10') (Cranberry Shrub)—The American form of the old Vib. *Opulus* is greatly superior in leaf, flower and fruit. The foliage is large, three lobed and of exceptionally heavy texture. Its bright scarlet fruits hang in large heavy clusters during the fall and winter.

Dentatum (Arrow-wood) gjlstBENVW (H 6-8, S 6)—Green leaves turn to purple and red tones in autumn. Creamy white flowers, followed by blue-black berries.

Opulus Sterilis (Common Snowball) gjmtBNVW (H 8-10, S 10)—Ball-like, pure white flowers.

Tomentosum (Doublefile) hjstvBENVW (H 6-8, S 8)—White flowers are borne in clusters along stalk, more or less flat-topped, 3-4 inches wide, followed by red fruit ultimately turning bluish black.

Any of the above, 18-24", 75c; 2-3', \$1.00.

Weigelas hjvBSVY

Bristol Ruby (Pat. No. 492) (H 5, S 5)—Hardier and more vigorous than *Eva Rathke*. The color is a soft ruby red shading to garnet-crimson. 2-3', \$1.50 each.

Rosea (H 5-6, S 5)—A beautiful shrub with rose-colored flowers. 2-3', 75c.



CYDONIA JAPONICA

(Flowering Quince)

(Left)

Especially beautiful in lightly shaded situations. 18-24" 75c each; 2-3' \$1.00 each.

FORSYTHIA SPECTABILIS

(Golden Bell)

(Right)

Earliest spring days are brightened by its rich, vivacious yellow flowers. 18-24" 50c each; 2-3' 75c each.



CYDONIA JAPONICA

SPRING SPLENDOR

The most spectacular shrubs blooming from the first to the last of spring.

Special Offer No. 551

One each of these colorful shrubs, all 2 to 3 foot size except Red Barberry which is 18 to 24 inch size.

Five Strong Acclimated Plants for \$3.60.

If by mail add 40c for packing and postage.



RED BARBERRY

Red foliage all summer.

18-24" size 70c each.



BEAUTY BUSH (Kolkwitzia Amabilis)

A prodigious bloomer in late spring. 18-24" \$1.00 each; 2-3' \$1.25 each.

PHILADELPHUS VIRGINALIS (Mock Orange) (Right)
Beautiful, sweetly scented flowers. Very desirable. 18-24" 75c each; 2-3' \$1.00 each.



Build Permanence and Year 'Round Beauty Into Your Garden

THESE EVERGREENS WILL GROW IN PARTLY SHADED SITUATIONS



MAHONIA AQUIFOLIA—(Oregon Hollygrape)

A most popular broad-leaved evergreen of medium height; even more valuable for its adaptability to shaded gardens. See illustration on page 53 for an example of the usefulness of Mahonia.

15-18" \$3.50 each; 18-24" \$4.00 each.



THUYA ELEGANTISSIMA (Compact Beverlyensis)

The ever-popular golden pyramidal Arbor Vitae is a tall grower, very useful for sheared accent plants in the foundation planting or for natural groupings in the informal garden.

**30-36" \$5.00; 3-4' \$7.00; 4-5' \$8.50;
5-6' \$10.00.**

THUYA OCCIDENTALIS PYRAMIDALIS—(Left)

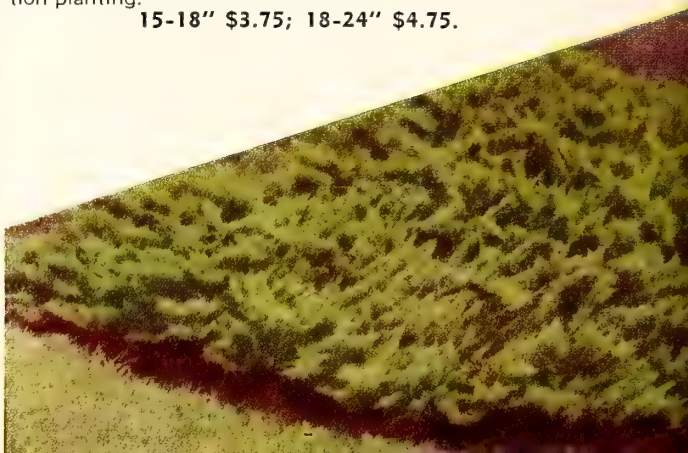
An Arbor Vitae of rich dark green foliage and slender upright habit which is especially adapted to conditions in the partly shaded garden of relatively high humidity. One of the hardiest of all Arbor Vitae.

30-36" \$5.50; 3-4' \$7.00; 4-5' \$8.50; 5-6' \$10.00.

JUN. SARGENTI BLUE—(Below)

This low creeping evergreen is gaining in popularity each year. Its lustrous blue-green foliage and spreading habit make it extremely valuable to the well arranged foundation planting.

15-18" \$3.75; 18-24" \$4.75.



EVERGREENS

All Evergreens are quoted f.o.b. Salt Lake City. Most sizes are too large and heavy for parcel post and must therefore be shipped by freight or express. A schedule for quantity prices is printed on page 59.

JUNIPERS

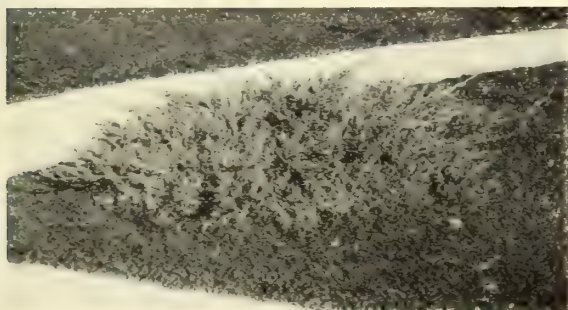
Spreading Varieties

Hill's Golden Pfitzer gjsvxNZ—A new golden form of the popular Pfitzer Juniper. Valuable as a novelty and also for color variation in your plantings. 24-30", \$5.50; 30-36", \$7.00.

Pfitzer (J. Chinensis Pfitzeriana) gjsvxNZ—This is the most widely planted and generally satisfactory of all semi-dwarf creeping Junipers. 1 gal. size, \$1.25; 15-18", \$3.50; 18-24", \$4.00; 24-30", \$5.00; 30-36", \$6.50. 3-4' \$9.50.

Sabina Tamariscifolia gjuvxNZ—Especially desirable in plantings where space is limited or when used against a house with a low foundation. It is a smaller and more compact grower than Juniper Pfitzer, attaining only 6 to 7 feet spread. The dense, metallic blue-green foliage and uniform habit make admirable specimens for the corners of the lawn. Gal. cans, \$1.25; 15-18", \$3.75; 18-24", \$4.75.

Horizontalis Plumosa (Andorra Juniper) gjuvNZ—The lowest and most charming of the creeping Junipers. Its foliage is a soft blue green in summer, changing in the fall and winter to a purple bronze. Gal. cans, \$1.25.



Juniper Sargentii Blue

Sargentii Blue gjquvxNZ—(See color page opposite.) A very low creeping form growing only 8 to 12 inches above the ground and spreading 6 to 8 feet. The bright bluish green foliage creates a pleasing contrast with the ordinary green of other plants. 15-18", \$3.75; 18-24", \$4.75; 24-30", \$6.00.

Semi Upright Variety

Squamata Meyeri (Meyer Juniper) gjuvNZ (6')—Most unusual in color and habit. Plump, pointed and prickly foliage is a distinct blue color. Irregular shrub-like growth. Thrives best on well drained soil. 15-18", \$3.75; 18-24", \$5.00.



Evergreens in our Nursery in Winter

Pyramidal Junipers

NOTE: Yearly trimming of Junipers and Arborvitae is very beneficial, making sturdier, more compact trees that sustain less winter snow damage. Also very important is the fact that the plants may be kept at any desired size.

Chinese Pyramidalis Blue (Column Juniper) gjmtvNZ—The popular Chinese Juniper is one of the most adaptable to use in landscape plantings. Its rich blue green color is a pleasing compliment to all colors of brick and stucco. It is a rapid grower and will thrive in any situation where the sun shines for half a day. 30-36", \$5.00; 3-4', \$7.00; 4-5' \$9.00.



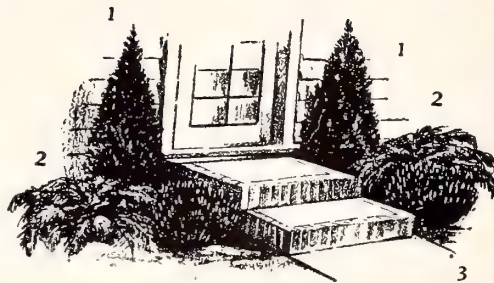
Juniper Virginiana Cannari

Pyramidal Junipers (continued)

Scopularum (Colorado Juniper) gjtyENZ—Compact, columnar growth from a single central stem. It is of unusual bluish color. 30-36", \$6.00; 3-4', \$7.50; 4-5', \$10.00.

Virginiana Burki gjtvNZ—One of the newer forms of the Red cedar with outstanding steel blue foliage. Upright and open-growing, but is easily trimmed to a columnar specimen. 3-4', \$7.00; 4-5', \$9.00.

Virginiana Cannarti (Cannart Red Cedar) gjtvENZ—The deepest, richest green color of all Junipers, which, together with the fine textured foliage and plume like twigs, gives a luxuriant effect. When grown in naturalistic plantings not sheared it has the appearance of a branchy Spruce, but of course, is smaller. Cannarti Juniper may be trimmed and maintained at any size desired. 30-36", \$5.00; 3-4', \$7.00; 4-5', \$9.00; 5-6', \$12.50.



A Typical Entrance Planting

The types of Evergreens shown above:

No. 1—Juniper Chinese Pyramidalis Blue.

No. 2—Juniper Pfitzer.

No. 3—Mugho Pine.

Virginiana Red Cedar (Platte River Type)—A dense and columnar tree with lustrous foliage of bluish green turning to purplish red in late fall and winter. It is used extensively in landscape work and being a large grower it is particularly valuable for windbreak protection. 30-36", \$4.50; 3-4', \$4.50; 3-4', \$5.50; 4-5', \$7.50.

THUYA (ARBORVITAE) hjstvNZ

Pyramidal Varieties

Elegantissima (Gold Tinged Column Arborvitae) (See color page 52)—

A narrow pyramidal Evergreen of tall and stately form. Its habit of growth is more compact than that of other golden pyramidalis. Highly prized as an accent subject because of its distinct form and contrasting color. In gal. cans, 12-15", \$1.25; B&B 30-36", \$5.50; 3-4', \$7.00; 4-5', \$8.50; 5-6', \$10.00.

Occidentalis Excelsa (Western Arborvitae)—This excellent variety, which is native in Western America, has the richest most luxuriant green color of all the Arborvitae. It is of broad conical habit, is a rapid grower, and very beautiful either in its natural form or closely trimmed as a formal specimen. 30-36", \$5.50; 3-4', \$7.50; 4-5', \$8.50; 5-6', \$10.00.

Occidentalis Pyramidalis (Pyramidal Arborvitae)—A distinct species of columnar form (nearly as wide at the top as it is at the bottom), and very deep green foliage which is irregularly turned and slightly curled. Very hardy and particularly adaptable to partly shaded situations. 30-36", \$5.50; 3-4', \$7.00; 4-5', \$8.50; 5-6', \$10.00.

Orientalis Pyramidalis (Compacta or Chinese Arborvitae)—Comparatively low, broad conical form and compact habit. Fine fern-like foliage of yellowish green color. 3-4', \$7.00; 4-5', Heavy \$10.00.

Dwarf Varieties

Biota Bonita (Meldensis)—Dwarf habit, neat pyramidal form and rich deep green foliage which grows vertically with a pressed appearance. Identical to the popular Orientalis Aurea Nana except for its green color. Gal. can, \$1.25; 18-24", \$4.75; 24-30", \$5.75.

Globosa (Globe Arborvitae)—Forms a low dense globe of a handsome shade of green. Ideal for formal plantings or on either side of an entrance or step. 15-18", \$3.50; 18-24", \$4.75.

Orientalis Aurea Nana (Berckman's Dwarf Evergolden Arborvitae)—The most wanted Arborvitae. Dwarf, golden tipped, pyramidal. Always shapely and beautiful. 1 gal. 10-12", \$1.25; 15-18", \$3.75; 18-24", \$4.75; 24-30", \$5.75.



Thuya Excelsa

BROAD-LEAVED EVERGREENS

FOR MODERN DISTINCTIVE LANDSCAPE PLANTINGS

The Berries and Foliage Are Beautiful in Winter House Decorations

All Evergreens are quoted f.o.b. Salt Lake City. See p. 59 for quantity schedule.

Berberis Sargentii (4') hlopvBUW—An upright, half spreading species with reddish tan branches and oblong, spiny-toothed leaves, dark glossy green above and light green underneath. Very attractive as a contrast in beds of conifers. Gal. cans, \$1.25; B&B 18-24", \$4.00.

Boxwood

Sempervirens howSW—A formal plant for gardens where pyramids and globes are desired. Foliage glossy and dense. In cans 12" bushy, \$2.00 each; Trimmed pyramids, 3-4', \$10.50.

Cotoneaster

Horizontalis (18") hlgvxBENW—Small glossy green leaves artistically arranged along the almost horizontal branches. An ideal dwarf shrub for the partially shaded situation. Gal. cans, each \$1.25.

Daphne

Somerset (30")—This is a truly admirable novelty shrub. Unlike the well known *Daphne Cneorum*, it is upright and shrubby. Its sweetly fragrant blush-white flowers perfume the air for a month or more during May and June. The foliage is rich dark green, giving the effect of Boxwood. Price in Gal. Cans, 15-18", \$3.00.

Euonymus

Fortunei Carrierei (36") (Glossy Winter Creeper)—A low spreading Evergreen that fits beautifully into foundation plantings and beds and makes a fine low hedge. Produces its showy pinkish orange fruits abundantly. Gal. cans, 12-15", \$1.25 each.

Japonica iopvNW (H 8')—Upright habit of growth with a dense, glossy, handsome foliage. Gal. cans, 15-18", \$1.25; 30-36" B & B, \$4.75.

Mahonia

Aquifolia (Oregon Hollygrape) houvBNW (H 5')—Leaves shiny and attractively changing shades of green. Flowers yellow, in dense clusters, followed with light purple berries. Gal. cans, \$1.25; B & B 15-18", \$3.50; 18-24", \$4.00.



Mahonia Aquifolia

Pyracantha

Coccinea Lalandii hlpvBNY (H 8')—Leaves dark, glossy and evergreen. Flowers white, in clusters, followed by orange-scarlet berries so much admired. Established in 1 gal. cans, 12-15", \$1.25; 18-24", \$3.00; 2-3', \$4.00.

Coccinea Paulciflora (Dwarf Pyracantha) (5') hlpvBENW—The hardiest pyracantha, also outstanding for its compact rounded formal habit. Its twigs and leaves are shorter than those of *Pyracantha Lalandii* and it produces fewer flowers and fruit, but is prized for its fine form, texture and dwarf habit. 24-30", \$4.00.

Viburnum

Burkwoodii (Gardenia Scented Snowball) hlvANW (H 4')—Most outstanding shrub introduction in recent years. Waxy, pinkish white flowers. The rich, glossy, semi-evergreen foliage turns purplish bronze with winter weather. Gal can \$2.00; BB 2-3', \$5.00.

CONIFERS

Fir (Abies)

Pseudotsuga (Douglas Fir) gjtNW—A rapid grower. Foliage soft blue in color and fragrant. 30-36", \$5.50; 3-4', \$8.75; 4-5', \$11.50

Pinus (Pine)

Austrian gjtNW—The leaves are two in a sheath, straight and slender, from 4 to 5 inches long, of a deep, rich green color. Gas and smoky atmosphere have no effect on its growth. 30-36", \$5.50; 3-4', \$8.75; 4-5', \$11.50; 5-6', \$18.00; 6-7', \$25.00.

Mugho (Dwarf Pine) gjvNW—It is used in the foundation and rock garden plantings and as a single specimen because of its low, formal habit of growth. 12-15", \$3.50; 15-18", \$4.50; 18-24" \$5.50.

Spruce (Picea)

Black Hills Spruce gjtNW—Very compact and symmetrical in all stages of growth. Extremely hardy, color of foliage bright green to bluish tints. 2½-3', \$7.00; 3-4', \$8.50; 4-5' \$12.00.

Moerheim Blue gjtNW—The aristocrat of the evergreen family; by far the shapeliest Spruce, and the truest, most persistent blue in color of any known tree. 2½-3', \$10.00.

Norway gjtNW—Effective in groups or for hedges and wind-breaks. Foliage is rich, dark green and this va-

riety is most commonly used for Christmas trees. 24-30", \$6.00; 3-4', \$8.50; 5-6' \$17.00.

Blue Spruce (Pungen Glauca) gjtNW—The native blue; fine compact habit. Select this for living Christmas tree. 2½-3', \$8.00; 3½-4', 10.00; 4-5', \$15.00.

Colorado Spruce (Pungens) gjtNW—Similar to above except foliage is light green. 2-2½', \$6.00; 2½-3', \$7.00; 3-4', \$8.50; 4-5', \$12.00; 5-6', \$17.00.



Norway Spruce

ORNAMENTAL SHADE TREES

NATURE'S OWN AIR CONDITIONERS

THE FIRST ESSENTIAL FOR LANDSCAPING THE HOME GROUNDS



Cutleaf Weeping Birch

Cut-leaved Weeping Birch gjotyVW—The most beautiful weeping tree in existence. The snow white branches grow uniformly outward and upward from the straight central trunk which is also conspicuously white. A graceful lacy veil is formed by the vertically hanging slender stems and deeply cut leaves. Very beautiful, hardy and clean. **Plant very early to insure a good start.**

The trunks of smooth barked trees such as Birch should be wrapped for the first year after planting. 5-6', \$2.50; 7-8', \$3.75; 9-10', \$4.50; 10-12', \$6.00.
European White Birch (Betula Alba) gjmntyNRW—A tall distinctive white barked tree with upright form. The leaves are nearly round, but abruptly pointed. 5-6', \$1.75.

FLOWERING AND SHADE TREES

Ash (Fraxinus)

American White gtyBNVW (H 60')—5-6', \$1.25; 6-8', \$2.00; 8-10', \$3.00.

Green Ash gtyBNVW (H 50')—Shapely round top with dark green foliage. 5-6', \$1.25; 6-8', \$2.00; 8-10', \$3.00.

MALE GREEN ASH gtyBNVW (H 50-60')—Especially selected and propagated from non seed bearing male trees. It is a tall pyramidal tree with a rounded head. The vigorous habit and dense glossy foliage make these male trees noticeably superior in the garden. 6-8', \$3.00; 8-10', \$4.00.

European Mountain Ash (Sorbus Aucuparia) gtyBEU-VW (H 45')—White flower clusters 5 inches across, followed by orange red berries. 6-8', \$2.75.

EXCELSIOR (Male trees especially propagated) gntyNP-VW (H 75')—Sold Out.

Catalpa

Bungei (Umbrella Tree) hjmoyNVW (H 15')—Large, velvety leaves. 2-yr. heads, \$3.50.

Speciosa (Western Catalpa) gjmtyBNRVW (H 60')—5-6', \$1.00; 6-8', \$1.90; 8-10', \$2.50.

Celtis Occidentalis gtyBSEVW

Hackberry (H 40')—A valuable shade tree with wide spreading, somewhat pendulous branches. Forms a round-topped head with bright green leaves, turning yellow in the fall. 6-8', \$2.50; 8-10', \$3.00.

Cercis hjotyASW

Canadensis (Redbud) (H 30')—Striking ornamental trees, loaded with a mass of pea-shaped pink blossoms in early spring before the leaves appear. 4-5', \$2.00.

Crabs, Flowering (Malus) gtyBEVW

From the standpoint of good growth, foliage, flowers and fruits, they are more satisfactory than any other group of small flowering trees. Their hardiness and wide adaptability to soil and climatic conditions make them especially desirable in our mountain states.

Atrosanguinea (H 12')—Carmine flowers and fine red branches and fruit.

BECHTELS (H 12')—A very symmetrically formed tree with silver grey bark and large, deeply veined leaves. Its large double pink flowers resemble small opened roses.

Dolga (H 15')—Large white flowers followed by a great crop of red crab apples. Fruit makes up into jelly of the finest flavor.

Eleyi Purpurea (H 15')—One of the best, the tree produces a mass of red bloom against a purplish-bronze foliage. Dark red fruit that makes fine jelly.

Floribunda (H 12')—Rose-pink buds opening to single white flowers, fruit reddish yellow.

Hallinia Parkmani (H 12')—Of spreading habit with glossy deep green foliage and double pink flowers, fruit purplish red.

HOPPI (H 10')—When in bloom, the flowering crab Hoppi is a gorgeous mass of soft rose red single flowers. The tree is upright and uniform in habit, growing rapidly into a beautiful small tree. Its bright orange red fruits are pretty in the fall and are good for jelly.

Red Silver (H 12')—Red from top to bottom in bark, tree, leaf, and flower. The leaves have a cut-leaf character and are maroon, red, and silver in color.

Scheideckeri (H 15')—Large, semi-double pink flowers; waxy yellow fruits. Highly recommended.

Any of above Crabs—3-4', \$1.50; 4-5', \$2.00; 5-6', \$2.50; 6-7', \$2.75.

Elm (Ulmus)

American (Ulmus Americana) gtyNSVW (H 75')—Tall and stately with a graceful, wide spreading form. 6-8', \$2.00; 8-10', \$3.00; 10-12', \$4.00.

Chinese or Siberian gtyNOVWX (H 40') 6-8', \$1.75; 8-10', \$2.50; 1½-2" cal., \$3.50; 2-2½" cal., \$5.00.

Camperdown (Umbrella Elm) gtyNVW (H 15')—Branches grow outward and downward, giving the tree a remarkable picturesque aspect. Three-year heads, on six-foot standards, \$3.50.

Cork gtyNSVW (H 75')—Majestic, spreading branches, corky winged; free from scale. 6-8', \$3.50.

English gtyNSVW (H 75')—A native of Europe; a noble rapid-growing tree, forming a dense head. 6-8', \$2.75; 8-10', \$3.75.

Moline gtyNSVW (H 75')—In shape like a Lombardy Poplar, with leaves often 6 inches across. The older trees become more spreading. 6-8', \$2.50; 8-10', \$3.00.

Ginkgo (Maidenhair Tree) gtyVW

Biloba (H 60')—A rare tree from Asia with fan-like foliage, unlike any other. Free, angular, independent branches, distinct, slow growing. 6-8', \$5.00.

Horse Chestnut

White Flowering gtyBSVW (H 60')—The handsome European species; has magnificent spikes of white flowers borne in great profusion and sweetly scented. 7-8', \$3.75.

Hawthorne (Flowering) gtyBEVW

English Double Flowering White (H 15')—Fragrant flowers in May and June. 6-8', \$3.00.

Paul's Double Scarlet (H 15')—Flowers deep crimson-scarlet; very double, followed by large red berries borne freely. 5-6', \$3.00; 7-8', \$3.50.



Mature Background of Trees.

The prices on all trees are f.o.b. Salt Lake City. (See page 59 for quantity schedule.) The following sizes can be forwarded by mail if desired, but add extra for postage at the zone rates from Salt Lake City to your Post Office. Size 3-4', one tree weighs 5 lbs.; add 2 lbs. extra for each additional. Size 4-5', one tree weighs 7 lbs.; add 2½ lbs. extra for each additional.

Laburnum *hityBVS*

Vossi (Long Clustered Golden Chain)—Not available.

Linden (Tilia) (H 60') *gijBESV*

American—Broad, round head with large, shining cordate leaves. Its flowers appear in yellow drooping clusters, intensely fragrant. 6-8', \$3.00; 8-10', \$3.75.

European—Pyramidal shape, foliage similar to the American Linden, white flowers in June. 6-8', \$3.00; 8-10', \$3.75.

Locust (Robina)

Common or Black Locust *gimyBNRV* (H 50')—5-6', \$1.25; 6-8', \$2.00; 8-10', \$3.00; 10-12', \$3.75.

Globe Locust *gimyNRV* (H 20')—Unusually attractive round-headed tree. 2-year head, \$4.25.

Honey Locust *gkmpyNRV* (H 50')—6-8', \$2.25; 8-10', \$3.00.

P.-W.'s Hardy Orchid Flowering Acacia *gimyBNV* (H 35')—This variety is a marvelous development of beauty. Its showy flowers are profusely produced in June, in long, drooping Sweetpea-like clusters of a deep orchid-pink. Because of its easy growth, hardiness, and beauty, it has become a leader among flowering trees. 7-8', \$3.25; 8-10', \$4.25; 10-12', \$5.00.

Thornless Honey Locust *gkmyNSV* (H 50')—Very small leaves, an ideal lawn tree. 6-8', \$2.25; 8-10', \$3.00; 10-12', \$3.75.

THORNLESS HONEY LOCUST MALE TREES *gkmyNSV* (H 50')—It has no seed pods. Its foliage is more abundantly produced and has a beautiful lustrous gloss. The cooling shade is light enough that lawn and flowers will grow beneath it. A male Thornless Honey Locust in your yard will bring increasing pride and comfort for many years. Price—6-8', \$3.25; 8-10', \$4.25.

Oak (Quercus) *hkQSTV*

Macrocarpa (Burr or Mossycup) (H 60-75')—One of the best oaks for the Rocky Mountain States. 6-8', \$4.00.

Maples (Acer)

Norway *gijAV* (H 60')—A large, spreading rounded form, with shiny, deep green foliage. Very symmetrical. 6-8', \$2.75; 8-10', \$3.75; 10-12', \$4.75.

Schwedleri *gijANV* (H 60')—A red and purple contrasts brightly with the delicate green of other trees. In midsummer they are purplish green; in autumn, golden yellow. 6-8', \$3.75; 8-10', \$4.75.

Silver *gijANV* (H 60')—A large tree, very fast growing. 6-8', \$2.50; 8-10', \$3.50; 10-12', \$4.50; 1½-2" gal., \$5.75.

Mulberry *hjoyBNOV*

Kingan (Fruitless) (H 30')—A good strong growing dense shade tree, but without fruit. Extremely rapid in growth and one of the best shade or street trees for southern Utah, Nevada, and other hot, dry arid climates. 5-6', \$3.00; 6-8', \$3.25.

Tea Weeping (H 15')—The long, slender, drooping branches of this tree give it a very unusual and much admired appearance. 2 year heads, \$4.50.

Russian (H 25')—5-6', \$1.75; 6-8', \$2.25.

Olive

Russian (*Eleagnus Angustifolia*) *gimtyBENV* (H 20')—Leaves silvery green. Very hardy. Vigorous grower and valuable for screens, hedges, and color accents in landscape effects. 5-6', \$1.25; 6-8', \$2.00; 8-10', \$2.75.

Peach (Double Flowering)

Amygdalus Persica *hktyBNSUV* (H 15')—Simply a mass of blossoms, appearing before the leaves, making an immense bouquet of gorgeous color.

Double White, Double Pink, and Double Red, 2-3', \$1.00; 3-4', \$1.50; 4-5', \$2.00.

Plane Oriental

London Plane *hjmoyNVWX* (H 70')—It forms a fine spreading, well-rounded head. Entirely free from disease or pests. Leaves are large, dark green and deeply lobed. 5-6', \$2.50; 6-8', \$3.00; 8-10', \$3.75.

Poplar (Populus) *gjoyNOV*

Bolleana (H 60')—A tall columnar tree. Leaves silver.

Canadian (H 60')—A sturdy rapid growing variety.

Carolina (H 50')—Branching habit.

Lombardy (H 80')—Grows narrow and columnar.

Any of above poplars 6-8', \$2.00; 8-10', \$2.50.

Prunus (Flowering Cherries)

Charming small trees with branches completely covered with a mass of large flowers in May.

Kwanzan—Double Pink *hktyBUV* (H 25')—3-4', \$2.00; 5-6', \$3.00.

Mt. Fugii—Double White *hktyBUV* (H 25')—3-4', \$2.00.

Japanese Weeping Cherry *hktyBUV* (H 20')—Beautiful specimens, blooming in profuse panicles of single pink flowers. 5 ft. standards, \$4.50.

Prunus Flowering Plums *hktyBNSUV*

Bliriana (H 15')—Double pink flowers, followed by reddish purple foliage. 5-6', \$1.75.

Newport (H 15')—Flowers single rosy white, followed by richly colored foliage. Fruits magenta red. 3-4', \$1.00; 5-6', \$1.75.

Pissardi (H 15')—Purple-leaved. 5-6', \$1.75.

Thundercloud—An outstanding new variety which, without question, has the best and darkest foliage of all of the purple leaved flowering plums and retains its deep coppery effect throughout the summer. Light pink single flowers cover the tree in the spring. 4-5', \$1.75.

Triloba (Double Flowering Plum) (H 10')—Before leaves appear, the tree is a mass of double, pink blossoms. May be grown in bush form. 2-3', \$1.00.

Tulip Tree (H 80') *hotyBSV*

Tall pyramidal habit, glossy, fiddle-shaped leaves. 6-8', \$3.50.

Sophora (H 50')

Japonica (Chinese Scholartree)—Dark green twigs and branches and small leaflets. Long panicles of creamy white pea-like flowers. 5-6', \$3.50; 6-8', \$4.50.

Varnish Tree

Koelreuteria Paniculata *hktyBNOV* (H 25')—"Golden Rain Tree." Its yellow flowers are borne in clusters 12 to 18 inches long. Very showy. 5-6', \$3.50.

Willow (Salix) *gntyANRVX*

Babylonian Weeping Willow *gntANRVWX* (H 30')—Long, pendant branches, silvery foliage. 5-6', \$1.50; 6-7', \$2.00; 7-8', \$2.50.

Golden Willow (H 30')—6-8', \$1.75; 8-10', \$2.25.

Matsudana (Hankow Willow) (H 35')—Of upright habit, it develops quickly into a magnificent tree. 6-8', \$2.00; 8-10', \$2.75.

Pussy Willow *gjntANRV* (H 12')—3-4', 75c.

Weeping Golden Willow *gjntANRVWX* (H 25')—The weeping form of the well-known Golden Willow. 6-8', \$2.25; 8-10', \$3.25.

QUANTITY PRICE SCHEDULE FOR TREES, SHRUBS, VINES

Where each price only is printed in this Catalog, the table below determines the 10 and 100 rates on the respective items of trees and shrubs, vines and evergreens. All prices are f.o.b. Salt Lake City.

Where each Price is	Per Ten Rate is	Per 100 Rate is	Where each Price is	Per Ten Rate is	Per 100 Rate is	Where each Price is	Per Ten Rate is	Per 100 Rate is	Where each Price is	Per Ten Rate is	Per 100 Rate is
\$.25	\$ 2.25	\$ 20.00	\$.70	\$ 6.25	\$ 56.00	\$1.50	\$13.50	\$120.00	\$3.50	\$31.50	\$280.00
.30	2.70	24.00	.75	6.75	60.00	1.75	15.00	140.00	3.75	33.75	300.00
.35	3.25	28.00	.80	7.50	64.00	2.00	18.00	160.00	4.00	36.00	320.00
.40	3.60	32.00	.85	8.00	67.50	2.25	20.00	180.00	4.25	38.25	340.00
.45	4.00	36.00	.90	8.50	72.00	2.50	22.50	200.00	4.50	40.50	360.00
.50	4.50	40.00	.95	9.00	76.00	2.75	24.75	220.00	4.75	42.75	380.00
.55	5.00	44.00	1.00	9.50	80.00	3.00	27.00	240.00	5.00	45.00	400.00
.60	5.50	48.00	1.25	11.25	100.00	3.25	29.25	260.00	5.50	50.00	440.00
.65	5.75	52.00									

HARDY NUT TREES

Nuts, as a commercial crop, have a bright future for you progressive farmers and fruit growers in this area. In nutritive value, nuts far exceed all other food substances. They will grow on any ordinary soil rich enough to support other large trees. The fact that very few pests attack the nut trees makes it possible for them to live for many years, producing their valuable crops. Nut trees have double value when planted for shade or ornamental purposes on the home yard, or as a windbreak on the fence-line or woodlot in rural districts.

Almond, Utah, I.X.L. jkAUW (H 20')—Smooth, soft-shelled nuts. The kernel is large, plump and excellent flavor. 3-4', \$1.25; 4-5', \$1.50.

Butternut (White Walnut)—This beautiful tree bears large rough-shelled nuts with white kernels, full-meated and delicious. 4-5', \$2.50 each.

Filbert, Barcelona—This is the leading commercial variety and one of the best croppers, producing large, round nuts. It needs one or more pollinators for best results. 3-4', \$1.50.

Filbert, White Aveline—Not available.

Walnut, English—Not available.

Walnut, Stabler gntyANRVX (H 80')—One of the finest of the new improved Black Walnuts. The kernels are large and of excellent quality. 5-6', \$3.75; 6-7', \$4.00.

Walnut, Thomas Black gjyAENVW (80')—Large nuts with large kernels which come out in halves. Has a distinctive walnut flavor. The tree is fast growing, upright, and begins bearing in five years. 6-8', \$4.50.

P.-W.'s FRUIT TREES

SHORT CROP—EARLY ORDERS GIVEN PREFERENCE

Orders for ten or more trees of one kind and size will be supplied at the 10 to 40 rate. Assorted trees fewer than ten of one kind and size will take the each rate.

Apples ^{gkyBNX}

"The King of Fruits"—"An Apple a Day Keeps the Doctor Away"

No fruit can be more pleasant to the palate or more beautiful to the eye than the rich, ripe apple when plucked from the tree or more luscious and beautiful when cooked.

Autumn Varieties

Gravenstein—Yellow, red, striped, very large. Ripens in September.

***Twenty Oz. Pippin**—Large, yellow and striped. Good cooking apple.

Wealthy—Dark red, sub-acid. Trees bear very young.

Summer Varieties

***Early Harvest**—Medium size, nearly round, pale yellow, July and August.

***Early Redbird**—Claimed to be the earliest red apple in cultivation. Ripens a week earlier than Yellow Transparent, producing most palatable, glowing scarlet-red apples—almost twice the size of Early Transparent. Very satisfying. Vigorous grower, hardy everywhere.

***Red Astrachan**—Fruit large, beautiful deep crimson yellow. Ripens July and August.

Red June—Medium size, oblong, red, flesh white and juicy, sub-acid. Ripens in July.

Yellow Transparent—One of the earliest, pale yellow when ripe; good quality. Succeeds well in cold climates. Ripens in July.

Winter Varieties

Cortland—Similar to its parent McIntosh, but more uniform in size, and has more and brighter color. The flesh

is firmer and the apples hang better to the tree.

***Delicious**—Solid red, most popular for eating, storing and shipping. No other red apple begins to rival its rich quality.

Delicious—Yellow-gold. It bears young and heavily. The fruit is large, juicy. No other yellow apple is of better quality.

Jonathan—Solid red. Equal to Delicious in popularity. Very firm, richly flavored flesh. Favored for eating, cooking, and drying.

McIntosh—Solid red. An excellent fall eating apple. Largely planted where extreme hardiness is desired.

***Rhode Island Greening**—Large greenish yellow. An old favorite for pies and cooking.

***Rome Beauty**—Solid red. It is a brilliant red apple, large, tender, juicy. The tree is hardy and bears heavy crops every year.

Staymans Winesap—Smooth, greenish yellow, splashed and striped with red and purple.

Winter Pearmain—Pale yellow; flesh yellow, juicy, tender

***Winter Banana**—Fresh golden yellow; fine grained, juicy.

Crab Apples

Highly esteemed for making jelly; extremely prolific. ***Siberian**—Beautiful red. September.

The grades and prices on all varieties are as follows, f.o.b. Salt Lake City:

	Height	Inches Caliper	Each	10-40
Home Orchard	4 ft. up	9/16-11/16	\$1.25	\$1.15
Coml. Orchard	3 ft. up	7/16- 9/16	1.10	1.00
Extra Spec. Size	6-7 ft. trees		1.75	

We have the extra special 6-7 ft. trees in all varieties of apples, marked with an asterisk (*).



Rows of Healthy Fruit Tree Stock

Apricots^{hkyBUX}

Apricots which have been grown for many years under the names of "Chinese," "Colorado," "Jones," "Large early Montgamet," and "Wilson," have been observed in the same experimental plot and proven to be identical.

Chinese—Large, round, deep orange-yellow fruits. Flesh is firm and the richest flavor. Late June.

Moorpark—Very large, light yellow, oval shaped fruit. The tree is slightly harder than Chinese. Late June.

Nectarines^{hkBUX}

The Nectarine has a smooth skin like the plum. It is like the peach in other ways and requires the same culture. Its pungent, sprightly flavor is remindful of both, but with an added deliciousness all its own. Set trees 16 to 18 feet apart.

John Rivers—The hardiest Nectarine. Attractive size, red cheek and luscious green flesh.

The prices on all standard Apple, Apricot, Nectarine, Peach, Pear, and Plum trees listed are as follows, f.o.b. Salt Lake City:

	Height	Inches Caliper	Each	10-40
Home Orchard	4 ft. up	9/16- 1/16	\$1.25	\$1.15
Coml. Orchard	3 ft. up	7/16- 9/16	1.10	1.00
Extra Spec. Size	5 ft. up		1.75	

Luscious Pears^{gkASX}

Plant about 20 ft. apart each way.

Bartlett—Fruit large, clear yellow, highly flavored; very juicy. September.

Beurre D'Anjou—Large, of vinous flavor; one of the leading Autumn varieties.

Keiffer's Hybrid—Rarely ever blights. Fruit of fine size, rich color and good quality. October and November.

Lincoln—A clear, beautiful glossy yellow pear of superb quality, averaging about the size of Bartlett. Long lived, hardy and blight resistant.

Parrish Favorite—Large winter pear, ripening in November-December. Will keep until Spring, retaining its captivating flavor. Never blights.

Seckel—Small, yellowish brown, tender, juicy melting. Ripens August.

Winter Nellis—A good winter variety of medium size.

Dwarf Fruit Trees

This class of fruit trees has been developed and grown particularly for the home yard or small orchard. They come into bearing earlier and produce excellent crops.

Bartlett Pear—2 year-old trees. Price, \$3.00 each; 10 for \$25.00.

Plums and Prunes^{gktBNX}

Plant about 20 feet apart each way, 108 trees per acre.

Duarte—A rich blood-fleshed plum,, similar to Satsuma. Tests show this tree is hardier and more productive.

Formosa—Early, large, heart-shaped, cherry red as it ripens; sweet and delicious. Early July.

Green Gage—Large pale green fruits, rich flavored and juicy.

Hanska—Very hardy. Dark reddish purple with yellow flesh.

Opata—Medium size, freestone, purplish red plum, flesh green of pleasing spicy flavor. Young bearer, very hardy. July.

Pacific—A large purple; ships well. Freestone; flesh pale yellow, firm, and sweet.

Peach (Jefferson)—Large, red, fine quality plum with yellow flesh. Recommended for the home orchard. Early July.

Pottawatamie—Excellent small plum for preserving.

Santa Rosa—One of the leading shippers. Good size, purplish red. Flesh reddish in color, juicy and delicious. Late July.

Sapa—Medium to large freestone, dark purple with purple flesh, juicy, of good flavor. Ripens a few days after Opata. Generally bears next year after planting and bears very heavily.

Satsuma—A fine, large purplish crimson; pit small. Delicious flavor. July.

Sessions—Consistent cropper. Dark blue with amber flesh. Good for preserves.

Sugar—Dark reddish purple, changing to purplish black. Skin thin, tender, separates readily. Flesh golden yellow. Tender and sweet.

Yakima—Very large, egg-shaped, red. Good shipper.

Improved French Prune—Much larger than the old well-known brown French and superior in every way. Fruit red and sweet.

Italian-Fellemburg Prune—Large oval, dark purple; flesh greenish yellow; separates freely from stone; best for drying on the market. August-September. Best commercial sort, "Italian" is on peach root.



FLOWERING CRABAPPLE

ATROSANGUINEA — (11-12 ft.)
A beautiful small tree of informal habit. The buds of rich carmine open to rose pink flowers. Also very attractive when covered with its small, deep purplish red fruits.

3-4' \$1.50; 4-5' \$2.00; 5-6' \$2.50;
6-7' \$2.75.

FLOWERING CRAB APPLES

**Just Right for the
Small or Medium
Sized Garden**



BECHTELS — (H-12 ft.)

A tree of very uniform habit and silvery grey bark. Largest and most double pink flowers resembling miniature roses.

3-4' \$1.50; 4-5' \$2.00; 5-6' \$2.50.

ORCHID FL. ACACIA

(H-35 ft.) (Right)

This spectacular flowering tree has become the most popular for shade and beauty. Quick growing and clean.

7-8' \$3.25; 8-10' \$4.25; 10-12' \$5.00.

HOPPI — (H-10 ft.)

Upright habit. Lovely in its profuseness of single rose red flowers. The bright shiny red fruits make fine jelly.

4-5' \$2.00; 5-6' \$2.50; 6-7' \$2.75.



FRUIT TREES

*impart Beauty
and Utility*



**Bartlett
Pear**



**Italian
Prune**

For Prices
See Page
60

8 NUTRITIOUS FRUITS

Special No. 562

One commercial orchard size tree of each of the
following popular varieties:

APRICOT CHINESE	PEACH ELBERTA
APPLE RED DELICIOUS	PEACH HALEHAVEN
CHERRY BLACK	PEAR BARTLETT
TARTARIAN	PRUNE ITALIAN
CHERRY LAMBERT	

EIGHT Vigorous Trees

\$7.25

Express shipment recommended. If necessary to go by
mail add 40c for packing and postage.

(Below) **Bowl of Peaches**



**Red
Delicious**



Sweet Cherries *hjBUX*

Plant 30 feet apart; 49 per acre.

Bing—About one week ahead of Lambert. One of the best market cherries. Large deep dark red, nearly black. Meat firm, sweet, and exceedingly well flavored. Ripens July in Salt Lake valley. Wonderful shipper.

Lambert—This follows Bing in ripening and is fully equal to it both as a commercial and home variety. Fruit very large, heart-shaped, firm flesh and a rich, sweet flavor. It is less subject to frost injury in blossom time than any other of the sweet varieties. Ripens in July.

Black Tartarian—Large, purplish-black, sweet. Ripens first of July.

Napoleon—Very large, pale yellow, red cheek. June.

Windsor—Fruit large; heavy bearer; beautiful dark color, almost black.

Sour Cherries *gjBUX*

Plant 20 feet apart each way; 108 per acre.

Royal Duke—Fruit dark red; juicy and rich. June.

Montmorency—Improved. This strain produces much larger fruit than the old true Montmorency and has become the leading sour cherry for cold pack and canning; ripens late June to early July.

Prices of Sweet and Sour Cherries

f.o.b. Salt Lake City

	Approximate Height	Inches Caliper	Each	10-40
Home Orchard	4 ft.	9/16-11/16	\$1.50	\$1.35
Coml. Orchard	3 ft.	7/16- 9/16	1.25	1.15
Mail Size	2 ft.	5/16- 7/16	Sold out	
Extra Spec. Size	5 ft.		2.00	

HANSEN'S BUSH CHERRIES

Since the introduction of these new fruits they have become widely planted. Hardy, easy to grow, and early bearing, they adapt themselves to even the coldest climates. The fruit is good to eat fresh and will make the most delicious preserves. Plant them 3-4 feet apart in rows 6 feet apart for fruit production. When used as ornamental shrubs they are beautiful as specimens, groups or hedges. 2-3 ft., 75c each.

Peaches *hkBUX*

Plant 20-25 feet each way; 70-108 per acre.

Alexander—Handsome, crimson. Ripens about July 24th.

***Champion**—Firm, sweet, white flesh with a rich and satisfying flavor. The tree is hardy and a good bearer; the fruit is freestone and ripens two weeks before Elberta.

Crawford's Early—A delicious yellow fleshed freestone peach. Ripens in August.

***Elberta**—A leading market variety, large, handsome bright yellow overspread with crimson; juicy, fine shippers. Freestone.

Early Elberta—About ten days earlier than regular Elberta, otherwise similar.

***New Red Elberta**—The most highly colored, "double red" Elberta, this variety is a quick-selling market peach. It can be harvested ten days before regular Elberta and sold for higher prices.

The prices on all standard Apple, Apricot, Nectarine, Peach, Pear and Plum trees listed are as follows, f.o.b. Salt Lake City:

	Height	Inches Caliper	Each	10-40
Home Orchard	4 ft. up	9/16-11/16	\$1.25	\$1.15
Coml. Orchard	3 ft. up	7/16- 9/16	1.10	1.00
Mail size	2 ft. up	5/16- 7/16	Sold out	
Extra Size	5 ft. up	11/16- 7/ 8	1.75	—
*Special Size		1 in. up	2.25	



Lambert Cherries

Bing and Lambert require pollenizers. Plant one Black Tartarian to twenty Bing or Lambert. A pollenizer in the neighbor's lot will usually suffice.

***Golden Jubilee**—Another new large yellow-fleshed freestone. Said to ripen three weeks before Elberta and to equal or exceed that variety as a market peach.

***J. H. Hale**—Large orange-yellow; considered by many superior to Elberta. Freestone.

***Halehaven**—Large reddish yellow, a cross between J. H. Hale and South Haven, combining the good qualities of each. Ripens 17 days before Elberta.

Heath Cling—Large, oblong, creamy white, rich and luscious; valuable canning peach.

Orange Cling—Very large; yellow with dark crimson cheek; flesh golden yellow.

May Flower—Not available.

Rochester—It is the earliest yellow peach of quality, ripening about a month before Elberta. Fruit medium to large, mottled red, flesh tender, sweet, high quality, freestone. Buds hardier than most yellow-fleshed peaches. Ripens over a long season.

J. H. Hale Peach



SMALL FRUITS

Lifetime profits and pleasure from one planting.

Blackberries *gkxN*

Early Harvest—Berries uniform, glossy black, very early.
Mersereau—Very productive, sweet, rich, coreless.
Lucretia Dewberries—Fruit very large, superb quality.
Price—5 for 85c; 10 for \$1.35; 50, \$5.60, 100, \$10.00.

Boysenberry *ikN*

The Greatest Vine Berry Yet Developed—"From an acre of Boysenberries 11,500 lbs. were produced." It has a distinctive luscious flavor of its own. Plant 6 feet apart each way. Price—5 for \$1.15; 10 for \$1.95; 100 for \$14.00.

BOYSENBERRY THORNLESS—Same high quality as the above. On thornless vines. 35c each, 10 for \$3.00.

Currants *gkNW*

Perfection—Large, bright red; most popular new variety.
Price—Large 2-year-old roots, 3 for \$1.75; 10, \$5.25; 100, \$40.00.

Gooseberries *gkNW*

Champion—Medium size red fruits. Good yielder.
Haughton—Good quality fruits either green or ripe. Medium size and pale red when ripe.
Either of above, 50c each; 10 for \$4.50.

GRAPES

Hardy American *gmtxNW*

Caco—Best hardy red grape. Large, juicy and delicious.
Concord—Deep purple. Most popular for jelly or grape juice.
Fredonia—Leading black grape. Ripens very early. Large, juicy, delicious; very productive and hardy.
Golden Muscat—You are sure to be pleased with this new grape which has the largest clusters and berries of any hardy eastern variety. It is very high quality and ripens about two weeks later than Concord. \$1.00 each; 10 for \$8.00.
Niagara—Greenish white; skin thin, sweet pulp.
Seneca—This remarkable development is a green California type grape on a hardy vine. The firm meaty flesh of superlative quality keeps well either on the vine or off. A real treat for grape lovers. Ripens three weeks before Concord. \$1.00 each; 10 for \$8.00.
Van Buren—Ideal where the growing season is too short for Concord. It ripens a month earlier. The fruit is of the Concord type and equal to it in quality. \$1.00 each; 10 for \$8.00.



Strawberry, Marshall Type

Grapes, European Varieties *imtxNW*

Black Malvoice—Berries large, oblong, reddish black, juicy.
Flame Tokay—Large, sweet, red.
Muscat—Large, light colored raisin and wine grape.
Thompson's Seedless—Popular seedless raisin grape.
Prices, all Grapes except where noted—2-year stock, each, 45c; 10, \$4.00; 50, \$15.00; 100, \$25.00.



Red Raspberry, Latham

Raspberries (Red Varieties) *gkNX*

Latham—This remarkable and very desirable variety is certified absolutely mosaic-free, and acceptable anywhere; berries are large and round, with profitable shipping firmness; color, a brilliant red. 5 for 90c; 10, \$1.50; 100, \$10.00.
Sunrise—This new raspberry has been tested and is highly recommended by the U.S.D.A. Being 10 to 15 days earlier than Latham and of superior quality, it promises to be a valuable commercial berry. The color is dark red when ripe. The berries pick easily, are firm, non-crumbling, fine textured and juicy, with a mild sub-acid flavor and good raspberry aroma. 10 for \$2.25; 100 for \$15.00.
P.-W.'s Colossus Everbearing—The finest red everbearing raspberry. The fruits are very large, firm, and of excellent flavor and color making them particularly valuable for table use, for canning and for frozen food locker storage. Commercial growers show good profits with Colossus. 10 for \$2.25; 25 for \$4.25; 100 for \$15.00.
Raspberries (Black Caps) *gkNX*
Cumberland—Healthy, vigorous, throwing up stout, stocky, well-branched canes; immensely productive of large, firm fruits. Midseason.
Large No. 1 transplants—15c each; 10, \$1.20; 100, \$8.00.

Strawberries *gkN*

All Strawberry plants will be sent either Parcel Post or Express, according to quantity. Put up uniformly in bunches, 25 plants each.
Marshall—As a large berry for home use, it is peerless. The color is a rich, glossy crimson. 25 plants, \$1.00; 100, \$2.75; 1000, \$20.00.
Mastodon Everbearing—Large luscious and deep red. 25 plants, \$1.10; 100 for \$3.00; 1000 for \$22.50.
P.-W.'s New Mammoth—P.-W.'s New Mammoth Everbearing Strawberry is superior in size, color, flavor and yield. Its particular advantages are that the vines are more dwarf, the berries ripen evenly, easier harvested, larger in size and firmer in texture. First ripe berries appear about a week earlier than Mastodon and continue to bear until snow flies. Price—25 plants, \$1.20; 100, \$3.35; 1000, \$25.00.

FERTILIZER

PLANT FOODS - SOIL REBUILDERS - TRANSPLANTING AIDS

OLD FORMULA VIGORO



BALANCED PLANT RATION

Supplies all 11 elements plants require from the soil.

Feed Everything You Grow with Vigoro!

100 lb. bag	\$4.00
50 lb.	2.50
25 lb.	1.50
10 lb.	.85

BONE MEAL

Bone meal is a good, safe and effective fertilizer supplying nitrogen and phosphorus. It may be applied at any time. 100 lbs., \$4.00; 25 lbs., \$1.25; 10 lbs., 65c.

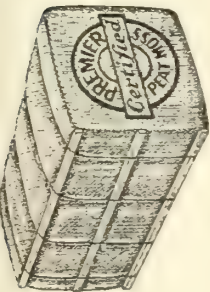
P.-W.'s NEW "GREENLEAF"

The effective treatment for "Yellows" or Chlorosis.

The plant disease known as Chlorosis or Yellows is very prevalent, but can be effectively controlled with this new improved method. Greenleaf has been thoroughly tested in different sections of the intermountain country with splendid success, and we heartily recommend it to any of our customers who have affected plants. It is also a corrective for alkaline soils. Full directions are sent with each order. It is put up in different sizes. 10 lbs., \$1.00; 25 lbs., \$1.75; 100 lbs., \$6.00.

IRON SULPHATE

Iron Sulphate is a good corrective for alkaline soils. Crystals for plants, shrubs, trees; snow form for lawns. 10 lbs., 90c; 25 lbs., \$1.75; 100 lbs., \$6.00.



PEAT MOSS

Peat Moss is a purely organic material; one of the most efficient means of adding humus to the soil. It remains in the soil for several years creating a loamy condition which aids the penetration of air and water. It encourages root fibre growth when mixed with soil for planting. Bale, \$3.75.

SANI-SOIL

This wonderful new soil insulator offers many garden benefits. As a mulch it maintains more even soil temperature, protects young plants from frost-heaving, saves water in hot weather, reduces weeding and the need for cultivation and promotes vigorous, healthy growth. When mixed with the soil it is an ideal air-conditioner. Packed only in 25-pound bags (about 3 cubic feet). Per bag, \$1.50.



ROOTONE

Reg. U. S. Pat. Off.

Improves Rooting of Cuttings, Seeds and Bulbs

A root-forming stimulant when applied to cuttings, seeds, or bulbs. It is not a fertilizer or plant food. Rootone improves rooting of cuttings, seeds and bulbs. It makes heavier grass turf, causes faster germination of seeds, increases plant growth, and reduces wilt. 1/4 oz., 25c; 2 oz. jar, \$1.00; lb. can, \$5.00.

TRANSPLANTONE

PATENTS PENDING

Reduces Loss in Transplanting

A water-soluble powder containing Vitamin B₁, plus certain plant hormones which are active in root formation. Many plants stop growing for a time if they are moved or transplanted. Transplantone is formulated to supply the plant with the chemicals which stimulate root formation and growth at this vital period. It is not a fertilizer. 1/2 oz., 25c; 3 oz., \$1.00; lb., \$4.00.

FRUITONE

Stops Premature Drop of Flowers — Fruits — Leaves.

Stops Premature Drop of Flowers—Fruits—Leaves
Fruitone was first introduced for stopping the premature drop of apples, but it has proved effective for keeping flowers, leaves and other fruits on the tree or plant longer. Two ounces of Fruitone makes 25 gallons of spray. 2/5 oz. packet, 25c; 2 oz., \$1.00; 1/2 lb., \$1.50.

BLOOMLIFE

Adds 2 to 5 days to the life of cut flowers. No recutting of stems. No change of water. Bloomlife comes complete—ready to use—nothing to add. Works in any water, whether hard or soft.

Trial Pkt. (makes 2 qts.)\$.10
26 Quart Size 1.00



PLANTABBS

Use Plantabbs for all indoor, potted plants. A complete, balanced plant food of the high analysis 4-12-18, plus Vitamin B₁ in each tablet.

30 tablets for	\$.25
75 tablets for	.50
200 tablets for	1.00
850 tablets for	2.75



FERTILIZER SPREADERS

Also Applies Lawn Pest-Go and Lawn Seed

	Spread	Capacity	Shipping Weight	Price
No. 15	14"	15 lbs.	11 lbs.	3.75
No. 115	16"	30 lbs.	23 lbs.	8.50
No. 215	24"	75 lbs.	50 lbs.	20.00
No. 315	36"	115 lbs.	65 lbs.	26.50



WITH PLANT COVERS YOU GET BIGGER CROPS THAT BRING A HIGHER PRICE!

GERMACO HOTCAPS

Strong individual hothouses protect early set plants from frosts, storms and insects. 12 inches in diameter and 6 inches high.

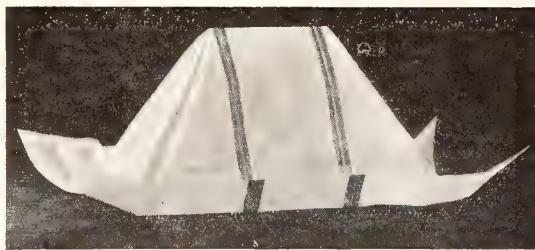
Pkg. of 25 with paper setter	...	\$.50
Pkg. of 100 with Fiberboard setter	.....	1.95
Pkg. of 250 with Fiberboard setter	.....	3.50
Carton of 1,000, weight 28 lbs.	.....	11.00
5,000 (5 cartons), per M.	.....	10.75
Fiberboard setter	.....	.15



GERMACO HOTENTS

A superior plant cover with more space for air and plant development. Its extra large base flap carries more soil and holds the cover more securely.

Price, 500 (1 case) , \$8.00; 1,000 (2 cases), \$15.00; f.o.b. Salt Lake City. Shipping weight 35 lbs. per case.



LINCOLN PLASTIC PLANT MARKERS And Waterproof Indelible Ink

Withstands All Weather Conditions and Insures Permanent Record

For Bulbs, Plants and Flowers				
Banner Markers	25	100	200	500
1 1/8" x 2 1/2"	.....	1.15	3.90	6.80
For Shrubs and Trees				
Easily attached; expand as plants grow				
Snap-On	25	50	100	
1/2" x 3"	.....	1.50	2.50	4.50

Key-Ring (3/4" Rings)			
3/4" x 3"	.....	1.50	2.50
1" x 4"	.....	1.75	3.25
For Attaching to Wooden Standards			
Strip Labels	100	200	500
3/4" x 3"	.....	1.80	3.20
1" x 3"	.....	2.00	3.60
Waterproof Indelible Ink			
Apply with ordinary steel pen—			
Bottle	.....		15c

R-V-LITE VITAPANE

SHATTER PROOF—WEATHER PROOF
Admits over 60% of ultra violet ray.

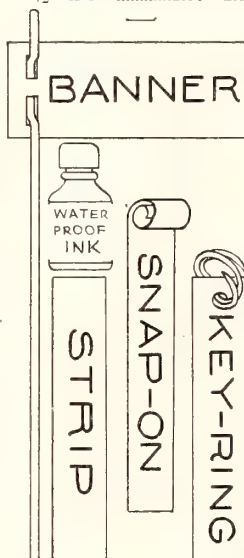
50 ft. roll, 36 in. width, wt. 6 lbs.	...	\$ 9.25
150 ft. roll, 36 in. width, wt. 15 lbs.	.....	27.50
Broken rolls, per lineal foot	.....	.20



WENATCHEE FRUIT PICKING BAGS

Endless steel frame keeps bag open; shaped to fit body comfortably. Adjusts quickly to 1/2 bu. for tender fruits . . . opens to full bushel when desired. Empties easily from bottom. Leather - reinforced where the wear comes. Belt strap. Wide adjustable web suspenders. Easy-acting release snap.

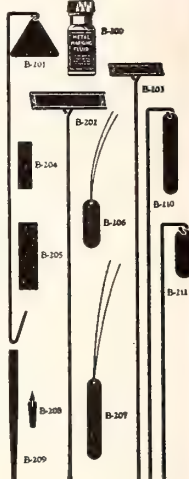
Price, each \$3.10—shipping wt. 3 lbs.



Brandt's All-Metal Markers

Will not corrode. All wire stakes are about 18 inches in length.

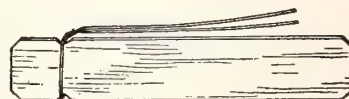
B-200	each	25c
B-201	each	3 1/2c
B-202	each	6c
B-203	each	5c
B-204	5 for	5c
B-205	4 for	5c
B-206	3 for	5c
B-207	2 for	5c
B-208	each	10c
B-209	each	10c
B-210	each	3 1/2c
B-211	each	3 1/2c



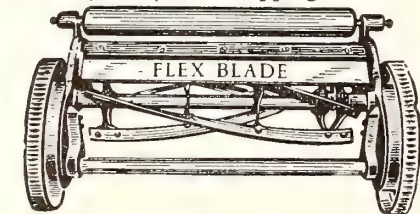
Wood Pot Labels

	Price per 100	Price per 1000
PLAIN		
4 inch	.....\$ .25	\$2.50
6 inch	.....	3.10
8 inch	.....	5.00
10 inch	.....	8.00
PAINTED		
4 inch	.....	3.00
6 inch	.....	3.75
8 inch	.....	5.50
10 inch	.....	1.10

Tree Labels



3 1/2" Wired		
	Per 100	Per M
Plain	.....\$ .40	\$2.75
Painted	.....	3.25



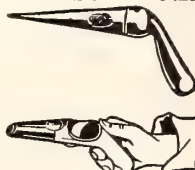
EVERSHARP—UNBREAKABLE—EASY TO ATTACH

Increases mower efficiency—prolongs the life of the mower. Will fit any lawn mower with removable bed-knife (Either screwed or riveted).

14" to 21" inclusive for hand mowers,	each	.....\$2.00
18" to 20" inclusive for power mowers,	each	.....3.50
19" to 25" inclusive for power mowers,	each	.....4.50

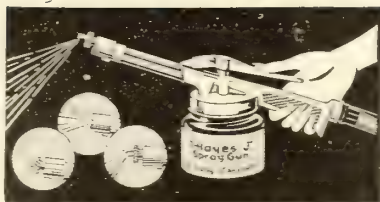


Cultivator with Weeder No. 1543 (left)—4-inch width. Each, \$1.20, with handle.
Dibble No. 751 (upper right)—Each, 80c.
Hollow Planter No. 750 (lower right)—Each, 75c. Add 10c for mailing tools.



HAYES JR.

Mixes three gallons of spray at a time. Handles liquids and most wettable powders. Operates on hose with water pressure from 30 to 175 pounds. Each \$5.95.



HAYES-ETTE FOR THE SMALL GARDEN

Efficiently does the work of many larger sprayers. Mixes up to 1½ gallons. Handles all liquid insecticides free from soaps. Operates on garden hose with water pressure from 20 to 150 pounds. Each \$2.95.



HARCO

Handy, one quart capacity sprayer for cleaning up small infestations. Very easy to operate and makes a fine mist-like spray. Each \$2.35.



HAYES 25 TO 1 PROPORTIONER

Applies Weed Killers, liquid and soluble Fertilizers, Insecticides and Fungicides, Vitamin B.

Attach to hose as shown at left. Apply through ordinary nozzle. Each \$1.95.



SOIL SOAKER

Ideal for narrow parking and terraces—prevents soil washing. Made of canvas—treated to resist mildew. Water oozes uniformly through the pores of the entire surface.

"Really Soaks Your Soil"

Four home sizes — No. 0, 12 ft., \$1.40 ea.; No. 1, 18 feet, \$1.90 ea.; No. 2, 30 ft., \$2.90 ea.; No. 4, 50 feet, \$4.75 each.

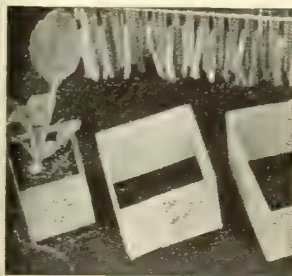


PLANT BANDS (Wood Veneer)

Ready-to-use. There are no tacks to drive, no folding corners. Set side by side in flats.

Size	Per 100	Per M
2x2x2½	\$.65	\$5.00
3x3x3	.75	6.00
4x4x4	1.00	8.00

Write for quantity prices.



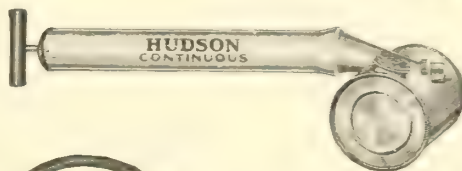
STAUFFER Knapsack DUSTER (top right)—Can be used for all dry dusting. Hopper capacity 20 lbs. Shipping weight 21 lbs. Price each... \$24.00

HUDSON ADMIRAL DUSTER No. 755 (Top left)—Will apply any dust insecticide. Chamber 2¾x4½ inches. Each \$17.00 (Add 10c for mailing.)

CYANOGAS FOOT PUMP DUSTER

—Designed to safely apply Cyanogas "A Dust" to rodent burrows. \$7.00

Shipping weight, 7 lbs. each.



HUDSON COMET No. 431 (Above)

One quart, continuous "Nu Action" pump. Handles agricultural insecticides, stock dips and fly oils. Each 85c. Add 10c for mailing.

HUDSON CLIMAX No. 235G (left)

High pressure, 3½ gallon capacity, open top, galvanized steel tank. Each \$7.50. Shipping weight 10 pounds.



HUDSON LEADER No. 192G

Galvanized tank, 3½ gallon capacity, funnel top. Each, \$6.40. Shipping weight 9 pounds.

AEROIL WEED BURNER No. 99

Agriculturists the world over use the famous No. 99 burner. Its powerful flame, 2000° F., kills weeds, insects and their eggs, parasites and germs in coops and barns, burns out stumps, charrs fence posts, heats tar, heats pipe and iron for light blacksmith work and numerous other purposes. Burns kerosene. Average fuel consumption 1 gallon per hour. Simple and safe to operate.

Each \$21.00

Shipping weight.....21 pounds

GARDEN PESTICIDES

FOR INSURANCE AGAINST PEST DAMAGE

MULTI-PURPOSE SPRAY SET

For Use Against

More Prevalent GARDEN INSECTS

Set contains 4-ounce bottle of **EXTRAX Insect Spray**, **GREENOL Liquid Fungicide** and **VOLCK Oil Spray**. Mix all 3 sprays in the same water and in one application treat against many insects and diseases in the garden. Set makes 25 gallons combination spray at normal dilution\$1.85



MULTI-PURPOSE DUSTS



BOTANO Garden Dust. For general garden use against many insects and diseases. Dusting is preferred by many, particularly on vegetables. One of the safest multi-purpose dusts that can be used. 10-oz. size is Dual Purpose package which also serves as a handy garden duster.

8-oz. Shaker.....35c 1-lb. Pkg.....\$.50
4-lb. Pkg.....\$1.10
10-oz. Duster (Contains **ROTENONE**).....49c

CALTOX Garden Dust "525". Used throughout the garden, but especially useful on Tomatoes, Potatoes, Cucumbers, Squash, and Melons, against Flea Beetle, Diabrotica or Cucumber Beetle, Potato Beetle, Tomato Worm, Early and Late Blight. Contains Cryolite, Copper and Zinc. 10-oz. Dual Purpose package.....49c

OIL SPRAYS

VOLCK Oil Spray. Envelops, penetrates and smothers many sucking insects such as certain Scale Insects, White Fly, Mealybug, and Red Spider. Also a spray carrier for other sprays.

4-oz. Bottle.....25c 1-pint Bottle.....50c
1-gallon Can.....\$2.25

KLEENUP Winter Spray. An emulsive Oil Spray for use against certain Scale Insects during dormant season. Use with Bordeaux Mixture against Peach Leaf Curl and Peach Blight.

1-pint Bottle.....39c 1-gallon Can.....\$1.00
5 Gallons.....\$4.95

WEED KILLER

TRIOX Weed Killer. Poisons soil and prevents weeds from growing. Use on driveways, walks, and other places where no vegetation is wanted.

1-qt. Can.....75c 1-gallon Can.....\$2.25

ANT POISON



ANT-B-GON Ant Poison. The ANT-B-GON Dispensers are easy to refill. Ants feed from the "WICK" ... Can't get inside. One or two sets of Dispensers are enough for the average home. For Argentine and Sweets-eating ants.

Set of four 1-oz. Dispensers.....60c

Ant Poison to refill dispensers:

4-oz. Bottle.....20c 1 pint.....50c
1/2 gallon.....\$1.50

MULTI-PURPOSE BAIT

For Use Against

PRINCIPAL FORAGING PESTS

Slugs, cutworms, snails, sowbugs, earwigs, grasshoppers, strawberry root weevil. Baiting against these pests is easy with the new **BUG-GETA PELLET Compressed BAIT**. (A Metaldehyde-Arsenical Bait.) 5000 baits in a 2 pound carton.

12-oz. Carton.....25c 5-lb. Carton.....\$1.00
2-lb. Carton.....50c 25-lb. Bag.....\$3.60



APHIS



ANTS



CODLING MOTH



CATERPILLAR



SLUG



MEALY BUG



THRIP



BEETLE



TOMATO WORM

INSECTICIDES

EXTRAX Insect Spray. Kills by contact. Used against many sucking and chewing insects such as Aphids, Beetles, Caterpillars, Thrips, on Vegetables and Ornamentals. Economical ... General dosage is one teaspoonful to gallon of water.

1-oz. Bottle.....\$.35 1 Pint.....\$2.75
4-oz. Bottle.....\$1.00 1/2 Gallon.....\$7.95

CALTOX Insecticide Dust. Contains Cryolite and Thiocyanates. Used against Diabrotica and certain other Beetles, Worms, Sowbugs.

8-oz. Shaker.....35c 20 ozs.....60c
4 lbs.....\$1.10

ORTHO Calcium Arsenate. A strong stomach poison suitable for spraying or dusting.

1 lb.....25c 4 lbs.....60c

ORTHO LEAD ARSENATE. A stomach poison to control chewing insects such as certain Beetles, Caterpillars, Worms and Sod Webworm in lawns.

1 lb.....35c 4 lbs.....75c

GARDEN VOLCK SPRAY. A penetrating volck base containing nicotine.

4 oz.35c 1/2 gal.\$2.50
1 pint85c 5 gal.\$10.00

EARWORMICIDE. To keep worms out of sweet corn, make one treatment when silk begins to wilt. 4 ozs. treats 120 ears.

2-oz. Bottle with applicator35c
4-oz. Bottle.....35c
1 pint75c
1/2-gallon Bottle.....\$1.80



FUNGICIDES

GREENOL Liquid Fungicide. A copper fungicide used to prevent Powdery Mildew. Contains spreading and wetting agents and mixes with EXTRAX Insect Spray for making a combination treatment against insects and diseases.

1-oz. Bottle.....35c 1 pint.....\$1.50
4-oz. Bottle.....60c 1/2 gallon.....\$3.95

"ORTHO" BORDO Mixture. Prepared Bordeaux Mixture used to control fungus diseases such as Peach Leaf Curl, Peach Blight, Pear Scab.

1 lb.....35c 4 lbs.....55c

FLOTOX Garden Sulfur. Finely powdered ... Used either as a dust or spray to control Powdery Mildew, Scab and certain other diseases.

26 ozs.....25c 4 lbs.....50c

ORTHO ROSE SPRAY KIT

Special Combination Offer. Contains 2-oz. bottle "EXTRAX" for Aphids and other insects and 2-oz. bottle "GREENOL" to prevent certain Powdery Mildews. Makes 12 gallons spray. Used for vegetables too.

Each Kit.....\$1.00



SOIL INSECTS

ORTHO Soil Fumigant. A new "ORTHO" development designed to control certain soil inhabiting insects which attack roots. Used primarily against garden Centipedes, Cabbage Maggots, Onion Maggots, Wireworms. Also for fumigating soil in seed beds.

4-oz. Bottle35c 1 pint.....\$1.00

EARWIGS

ORTHO Earwig Bait. Prepared on a government formula. Earwigs can become a menace to health through food contamination and should be controlled at first sign of an infestation. First brood usually appears in April, May or June.

2 1/2 lbs.....50c

RODENT CONTROL

ORTHO Rat Bait Pellets. Ready-to-use Red Squill Bait which are relatively harmless to humans and domestic animals. Poisoned Rats seek underground burrows before dying.

2-oz. Carton.....25c 6-oz. Carton.....50c

ORTHO Rodent Destroyer. Kills Gophers, Squirrels, Prairie Dogs, Rats, Mice. This bait is poisoned with strychnine by a special solvent process to assure lasting potency.

6-oz. Carton.....30c 1-lb. Carton.....60c
5-lb. Carton.....\$2.25

DOG REPELLENT

SCRAM Dog Repellent. A special powder used to keep dogs away from shrubs, flowers, lawns, store fronts, porches, etc. Easy to use. Does not harm animals.

8-oz. Shaker.....49c



PRUNING PAINT

CONTAX Pruning Paint. Protect cuts and tree wounds with this modern plastic pruning and grafting composition. Also has many other uses.

1 pint.....35c 1 gallon.....\$1.50

ASK FOR FREE ORTHO GARDEN SPRAY GUIDE

RATS DESTROY VITAL FOOD AND SUPPLIES — KILL THEM!

Rat Lunches—Non poisonous, ready to use baits. Pkg., 50c.

Rat Nap—Attractive poison bait each 35c

Quirk's Quick Death to Rats and Mice.....Pkg. of baits, 15c

Quirk's Mouse Jinks—Attractive seed and grain...Pkg., 15c

RAT-NOTS Kill Rats

Pkg. of prepared baits25c

Cyanogas "A" Dust—Forms a penetrating gas. Use in rodent burrows. 1 lb., 75c; 5 lb., \$3.00. (See page 67 for foot pump duster.)

Order NOW—Get Those Bugs!

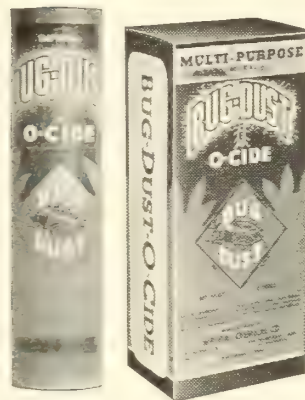
Bug-Dust-O-Cide

MULTI-PURPOSE

BUG-DUST-O-CIDE is effective against both chewing and sucking insects which attack cabbage, tomatoes, potatoes, beans, cucumbers, strawberries, roses and many other plants. It also controls powdery mildew and black spot. Bug-Dust-O-Cide is ready to apply. No muss—no fuss—no mixing.

PRICES

1-lb. Duster pkg.	.....\$ .50
2½-lb. Comb. & Gun	.....1.00
3-lb. Bag	.....1.00



COMMERCIAL SIZES: 5 lbs., \$1.60; 10 lbs., \$3.00; 25 lbs., \$6.95; 50 lbs., \$12.00; 100 lbs., \$20.00.

Rotenone Garden Spray (NNOR)

A liquid rotenone concentrate. It penetrates the waxy or hairy covering on the insect's body, bringing the tremendous power of Rotenone Garden Spray into action. Kills most common garden bugs of both chewing and sucking types.



1 oz. (makes up to 6 gallons of spray), 35c; 6 oz., \$1.00; 16 oz., \$2.15; 1 gal., \$13.50.

WEEDONE

TRADE MARK

IT'S A KNOCKOUT—on Poison Ivy, Poison Oak, Bindweed (Wild Morning Glory), Crab Grass, Ragweed, and many other noxious weeds. Kills right out to the root tips. Does not irritate the skin. Does not corrode metals or spray equipment. Does not sterilize the soil. 6 oz., \$1.00; 1 qt., \$4.00; 1 gal., (covers 6,000 square feet), \$12.00; 5 gal., \$55.00.

PEST-GO KILLS CRAB GRASS

Use LAWN PEST-GO for complete eradication of Crab Grass—Lawn Grubs and Angle Worms (night crawlers). 100% effective and lasts 2 to 4 years. Does no damage to the lawn grass. 12 lb. bags—\$2.00



Other Standard Commercial Insecticides

Black Leaf "40"	.....1 lb., \$2.42; 2 lbs., \$3.57; 5 lbs., \$6.70; 10 lbs., \$11.65
Cyanogas A Dust—(See Page 68)	.....25 lbs., \$10.00; 100 lbs., \$25.00.
Dusting Sulphur	.....10 lbs., 80c; 25 lbs., \$1.75; 50 lbs., \$3.25; 100 lbs., \$6.00
Kryocide Spray	.....1 lb., 40c
Kryocide D50 Dust	.....1 lb., 50c; 3 lbs., 85c
Naphthalene Flakes	.....1½ lbs., 35c; 10 lbs., 95c; 25 lbs., \$2.15
Nico Dust No. 10	.....25 lbs., \$5.20; 50 lbs., \$9.75; 100 lbs., \$18.05
Paradow, packed in airtight containers	.....
Tartar Emetic	.....1 lb., 55c; 5 lbs., \$1.75; 10 lbs., \$3.00; 100 lbs., \$22.50
	.....1 lb., \$1.05; 5 lbs., \$4.50

Practical Information



WRITTEN BY GARDEN AUTHORITIES

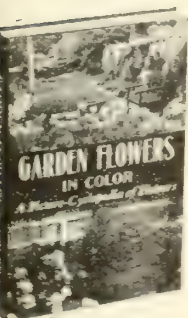
GARDEN FLOWERS IN COLOR—by Daniel J. Foley. In this book 350 full color photographs accurately reproduce the beauties of the important garden flowers. The photographs and accompanying text are arranged in alphabetical order for quick reference. Brief and adequate cultural directions for each variety make this a valuable guide and reference book. 320 pages 6½ by 9¼ inches, \$1.98 each.

PEST CONTROL IN THE HOME GARDEN—by Louis Pyenson. A practical guide in simple, non-technical language. Describes all the common garden pests and gives the latest and most effective method of control. Illustrations aid quick and sure identification. 190 pages 5½ by 8½, \$2.00 each.

POCKET BOOKS

The Pocket Book of Flower Gardening	.....(453 pages)
The Pocket Book of Vegetable Gardening	.....(242 pages)
The Pocket Book of Home Canning	.....(132 pages)

In no other publications can you find so much complete and practical information at such low cost. These authoritative, handy size books give just the information you need to be successful in growing flowers and vegetables and in saving the surplus for later use. Only 25c each.



Write for complete list of Garden Books that tell you how.

HYBRID FIELD CORNS

Sow in drills 3 feet apart, using approximately 15 pounds of seed per acre.

FOR GREATER YIELDS ON FEWER ACRES WITH LESS HELP

Hybrids are superior because of their resistance to drouth, uniformity of growth, stiffness of stalks and increased yields, amounting to as much as 25%.

US 52—Our Main Crop Hybrid

Matures in about 110 days. Plants are very tall and lodge resistant. Ears are large, smooth, somewhat tapering, with 16 to 18 rows of medium depth grain. Adapted over a wide area and an excellent yielder. On good soils, it is a general all-purpose hybrid. U.S. 52 has given the best results in the experiments by the U.S.A.C. at Logan, Utah, with a large number of hybrid corn varieties.

Idaho Grown (packed 100 lbs. per bag)—\$14.00 per cwt.

Ohio M15—Our Early Hybrid

A special boon for higher elevations and shorter season areas. It's a heavy yielder and the earliest of the Ohio Hybrids, maturing in 90 to 95 days, producing an abundance of medium sized, deep grained ears, and a wealth of fodder. We believe this is one of the best early producing hybrids on the market today.

Ohio Grown (packed in bushel bags)—\$8.00 per bu.

P.-W.'s Utah Hybrid

Medium early maturing (90 to 100 days)—Also a splendid variety for higher elevations or short season areas. P.-W.'s Utah Hybrid is the product of a four-way cross (the last being made here in the Rocky Mountains), and combines the better qualities of each of the parent stocks. It is primarily a grain producing type making it especially valuable to dairymen and poultrymen. The well-filled ears each have from 16 to 20 rows of deep yellow medium depth kernels. Price, \$13.00 per 100 lbs.

STANDARD OPEN POLLINATED CORNS

Australian White Flint—Heaviest yielding of the Flints, and one of the earliest, maturing in about 75 days. Stalks of medium height bear large 12 row ears.

Minnesota No. 13—The leading all-around open pollinated variety. A 90-day Yellow Dent corn, acclimated to this area. It is the heaviest producer of the medium early field corns. Plants grow 7 to 8 ft. tall, bearing ears 9 to 10 inches long. Kernels are medium depth and 16 to 18 rows per ear. Yields average about 90 bushels per acre. Makes splendid ensilage.

Minnesota No. 13 Extra Early Strain—This early strain has the same characteristics as the regular Minnesota No. 13 except the ears are slightly smaller, the stalks are about one foot shorter and it matures a week to ten days earlier. Since its introduction in 1921 it has become an important variety for sections where shorter seasons prevail.

Northwestern Red Dent—Being both frost and drought resistant, Northwestern Red Dent is one of the best kinds for the short seasons of the high foothills. It is a heavy cropper and matures in 75 to 90 days.

Pride of the North—Matures in 80 to 90 days. A tall-growing Yellow Dent with luxuriant foliage, and vigorous grower. Ripens early, yielding 75 to 85 bushels per acre. Very fine ensilage as well as for dry corn.

Improved Leaming—100-110 days. It will grow more tonnage to the acre than any other open pollinated variety we know. Leaming makes a very heavy foliage, making it especially good for silage purposes. The ears and kernels are a little larger than Minnesota 13. Produces good yields of grain.



Hybrid U. S. 52

Prices of Corn

f.o.b. Salt Lake City

	10-24 lbs. per lb.	25-99 lbs. per lb.	Bag lots 100 lbs.
Australian White Flint .....	.12	.11	\$10.00
Minnesota No. 13 .....	.10½	.09½	8.50
Extra Early Minn. 13 .....	.10½	.09½	8.50
Improved Leaming .....	.10½	.09½	8.50
Pride of the North .....	.10½	.09½	8.50
Northwestern Red Dent .....	.11½	.10½	9.50

ABOUT PRICES—Since the market changes rapidly on Field seeds, the prices quoted herein are subject to change without notice. You are safe, however, in sending remittance according to these published prices. In case of decline the difference will be promptly refunded; if there has been an advance, you will be notified for your confirmation before shipment.

Plant More Corn for Dairy Cows

We suggest planting extra acreage of green fodder Corn for a food supplement during hot dry weather when pastures are not producing sufficiently. The larger remaining part of the crop matured and prepared as ensilage of course has the greater amount of actual food value for winter feeding.

SEED GRAIN

Important Source of Food in War or Peace.

Barley

Trebi—An excellent feed variety, recommended for the irrigated lands of the Rocky Mountain area, heavy yielder. Where grown under irrigation, it qualifies as a malt barley. Write for prices.

Velvon—This new high yielding variety was released for planting in 1937. It is highly resistant to covered smut and has a smooth awn, which greatly increases its value as a feed. Velvon has the desired large, plump, white-colored kernels, the yield generally surpassing other varieties. Write for prices.

Oats

Swedish Select—The grain is plump, white, and very heavy. The quality of the oats produced in the Rocky Mountains is unsurpassed. Write for prices.

Uton—This variety is a cross between Swedish Select and Markton, having the white kernel of Swedish Select and the stiff straw and smut resistance of Markton. It is a high yielding variety, being well adapted to western climatic and soil conditions. Write for prices.

About Prices

Due to market conditions on grain, we are unable to quote prices.

From time to time we will be sending our customers special Field Seed Lists to correct changes in market prices. If you are not receiving them, please inform us.



NEW IMPROVED CERESAN — This

economical ethyl mercury phosphate dry disinfectant usually controls certain smuts and other diseases carried on seed barley, oats, rye, wheat, sorghums, millets, flax, peas.

1-lb. can	\$.80
4-lb. can	2.70
25-lb. pail	15.00
$\frac{1}{2}$ ounce treats a bushel	



A field of Michel's Rye

Rye

Spring Rye is an excellent soiler and can be produced on poor, worn-out land under dry conditions where other grains would fail. When sown with vetch, its value for pasture and hay is greatly enhanced. \$4.00 per cwt.

Michel's Rye—Its superior characteristics are winter hardiness, good strong straw, and high yields. In nearly all cases the early plantings at the rate of 10 to 15 pounds of seed to the acre produced the highest seed yield regardless of the type of land. On account of its large rye-like seed, it is easily established, makes an early and abundant spring growth, produces a palatable feed, is easily handled as a seed crop, and can be harvested with a binder or combine. \$5.00 per cwt., f.o.b. Salt Lake City.

Spring Wheat

Dicklow—Is a late maturing spring wheat. The kernels are soft and somewhat flattened. It has outyielded all other varieties except Federation on the irrigated lands of Southern Idaho and Northern Utah. This grain is in demand by millers for making biscuit and pastry flour. Write for prices.

Federation—Is a short, fairly early spring wheat. The kernels are white, rather short, and usually soft. It has replaced almost all other spring varieties. Write for prices.



CYCLONE SEED SOWER

A good large sower that meets the most exacting demands. Hangs by strap over shoulders of operator. Hopper-sack has 1½ bu. capacity. Broadcasts evenly all varieties of grain and grasses. Wt., 4 lbs.

Price—Each, \$2.75. If by mail, add 25c ex. for post.



A field of Swedish Select Oats

ALFALFA (LUCERNE)--Wonder Crop of the West



Crop of Alfalfa Hay

Hardy Desert—This splendid variety is the selection from the far famed Utah Dry Land type, which is a "Northern or hardy strain." It produces even under adverse conditions but in favorable situations under

irrigation it is a prodigious yielder. Sow 10 to 15 pounds per acre.

Utah Pioneer—Placed under certification in 1938. It was selected from two parent fields in Millard County which are known to be at least 60 years old without reseedling or breaking up. Preliminary experimental tests point to its resistance to wilt over Grimm or Common and other hardy varieties.

Blue Tag Grade—Indicates a purity of 99.50% pure.

Grimm—This variety is especially recommended for shallow soils, those underlaid with hardpan, or where the water table is near the surface. The stems and leaves are of somewhat finer and leafier quality than common Alfalfa. It is susceptible to bacterial wilt and is not recommended for areas of severe infestation.

Ladak—Tests at nearly every Northern and Western Experiment Station show Ladak leading on tonnage, long life, drought-resistance, and winter hardiness. It has also shown marked resistance to bacterial wilt. Ladak makes an exceptionally heavy first and second crop but little third.

Alfalfa Stocks are limited at this publication date. Write us for later market conditions and prices.

CLOVERS FOR MEADOWS AND PASTURES

Alsike—Is recommended both for sowing with Timothy and also with the Red and Mammoth Clovers, as well as a hay crop by itself. It does not winter-kill. The use of Alsike Clover is increasing rapidly; cattle prefer it to other clovers. It is very fine for honey bees. Sow at the rate of six or eight pounds per acre; sown in mixtures, 5 or 6 pounds per acre is sufficient. Does best on damp soils—used in pasture mixture with grasses.

Hubam Clover (Richest honey producing clover)—This is an annual sweet clover which grows rapidly, attaining a height of 6-7 feet. It is very valuable for pasturage and hay when cut before it gets too old. As the flowers are rich in honey, it makes very good bee pasturage. It is also used to great advantage as a cover crop or for green manure. It should be planted in Fall or Spring. Sow 12-15 pounds per acre.

Ladino Clover is regarded as a large form of the common White Dutch Clover and like the latter is a long-lived perennial. Its growth, however, is larger and more luxuriant. When the leaf growth has been grazed off, new leaves develop quickly, complete recovery occurring in 17 to 28 days. It is strictly a crop for irrigation. Sow in Fall or Spring at the rate of 7 to 8 lbs. per acre. Ladino is not available this year.

Medium Red (Trifolium Pratense)—Is a dependable, all-around variety for farmers and stockmen. It makes two hay crops each year. Sow either in the Spring or Fall at the rate of 15 pounds to the acre. It is good in pastures either alone or with some grass as a companion crop. It is replacing alfalfa in heavy wilt-infested areas.

Strawberry Clover (Tall Variety)—It is similar to Ladino but has proved to be much hardier. The flower resembles White Dutch Clover, but is pink. The foliage is similar to White Clover, having creeping runners, strawberry fashion, establishing new plants wherever the nodes contact the soil. It has proved particularly adaptable to alkaline and wet soils. Several observations have been made of this clover growing in fields of salt

grass pasture. It is much in demand as a pasture crop because of its palatability. Livestock relish it and pass up other clovers and grasses wherever Strawberry Clover is available. Sow 4-6 pounds per acre.

White Dutch Clover—Is a long-lived perennial legume, spreading by creeping stems that root at the nodes. When grown in mixtures with grass, it increases the carrying capacity of the pasture and provides a nutritious acid palatable feed. White Clover, like all other clovers, thrives best under cool moist growing conditions.

SWEET CLOVER

White Blossom (Melilotus Alba)—Its value in the redemption of alkali lands cannot be over-estimated. It grows in a variety of soils—heavy, light, wet or dry, almost anywhere, except in acid soil. Sow 10 to 14 lbs. per acre. It is often used for a green manure crop because of its quick prolific growth.

Yellow Blossom (Melilotus Officinalis)—It is finer in the stalk and more palatable when mature than White Blossom Sweet, and has the same soil adaptation. Its refinement of stalk and palatability make it a good pasture and hay crop.

Alfalfa and Clover Seed Prices

f.o.b. Salt Lake City

On orders for less than 1c per lb. to the 10 lb. rate	10-24 lbs. per lb.	25-99 lbs. per lb.	100 lbs. per lb.
Alfalfa, Hardy Desert (99.25 + pure)	.50½	.49½	\$48.40
Alsike (99.80 + pure)	.44	.43	42.25
Hubam (fancy grade)	.25	.24	23.00
Ladino (fancy grade)	2.50	—	—
Medium Red (99.40 pure)	.47	.46	45.10
Strawberry (extra fancy)	2.00	—	ask
Sweet White Blossom	.20½	.19½	18.50
Sweet Yellow Blossom	.21	.20	19.00
White Dutch (99+ pure)	1.05	1.02	100.00

... BETTER PASTURES FEED MORE CATTLE

NEW PASTURES INCREASE DAIRY PRODUCTION

Since the beginning of the National effort to increase food supplies, many Utah Dairymen have put to use the proven better methods of pasture management with very gratifying results.

Over 2,000 acres of new pastures have been started in one county alone. Marked increases in the production of vital dairy products more than justify our faith in pastures as one of the greatest crops Utah can produce.

These recent achievements indicate that the greatest opportunity for increasing the supply of livestock feed lies in the development of more and better pastures.

The agronomists and dairy experts of the Utah State Agricultural College at Logan agree that "the net returns from a well-managed pasture carrying high-producing herds probably cannot be exceeded by any other farm crop and furthermore there is no land in the intermountain area that is too valuable for pastures."

The experts further emphasize that outstanding results can be achieved only on "Well Managed Pastures."



A well-managed pasture for dairy cows.

GRASS AND CLOVER PASTURE MIXTURES

We recommend these proven mixtures, each developed to suit a different soil and moisture condition. If one of these does not meet your requirements we will be pleased to consider your particular problem and recommend a special formula.

IS YOUR PASTURE EARNING \$200 PER ACRE?

You can increase the production of the average pasture 100% by application of the following U.S. D.A. pasture management rules.

1. Fall plow land and work down in spring in firm, moist condition.
2. Use only clean seed of high germination.
3. Sow the seed to a depth of $\frac{1}{2}$ to $\frac{3}{4}$ inches (drilling is preferred).
4. It is safer not to use a nurse crop. If one is used, we recommend Barley at $\frac{1}{2}$ the usual rate.
5. Keep young plants well irrigated.
6. Do not graze the first year until mid-July or later.
7. Avoid over-grazing by dividing pasture land into several practical sections and follow a rotation system of grazing.
8. Pastures should be fertilized with 100 to 150 pounds of phosphate per acre every other year and 10 tons of manure per acre every third year.
9. Pastures should be harrowed both ways in early spring and late fall when droppings are soaked to prevent bunching of unpalatable forage the next year.
10. When bunches of unpalatable forage and weeds appear, pastures should be clipped with a mower.
11. Properly irrigated pastures need not consume more water than other irrigated crops.

\$16 PER COW IS WORTH SAVING

Under average handling conditions, about 40% of the value of animal manure is lost.

The use of superphosphate in the stable will greatly reduce fertilizer loss by chemically trapping and holding the ammonia. One pound of superphosphate per day for each horse or $\frac{1}{2}$ pound for each cow should be scattered on the floor when the stable is cleaned. For greatest efficiency the manure should be spread on the field at least weekly.

The increase in value of manure when properly handled is approximately \$16 per cow per year.

No. 1. For good well-drained irrigated land.

	Amount
Smooth Brome grass.....	4 lbs.
Orchard grass	3
Meadow fescue	4
Perennial rye-grass	3
Kentucky blue-grass	4
White clover	3
Alsike clover	2

Total per acre.....23 lbs.

No. 2. For damp, fertile soils.

	Amount
Red top	3 lbs.
Meadow fescue	4
Perennial rye-grass	4
White clover	2
Alsike clover	4
Kentucky blue-grass	3

Total per acre.....20 lbs.

No. 3. For damp, slightly alkali soils.

	Amount
Perennial rye-grass	3 lbs.
Meadow fescue	4
Orchard grass	4
White Dutch clover	2
Red clover	3
Yellow sweet clover	3
Smooth Brome grass	3

Total per acre.....22 lbs.

No. 4. For wet alkali soils.

	Amount
Perennial rye-grass	3 lbs.
Strawberry clover	2
Reed canary grass	3
White sweet clover	3
Meadow fescue	3
Smooth Brome grass.....	3

Total per acre.....17 lbs.

No. 5. For bench land with irrigation water.

	Amount
Smooth Brome grass.....	4 lbs.
Orchard grass	3
Kentucky blue-grass	5
White Dutch clover	2
Alsike clover	2
Yellow sweet clover	2
Alfalfa	2

Total per acre.....20 lbs.

No. 6. For dry farms.

	Amount
Slender wheat	4 lbs.
Crested wheat	4
Western wheat	5

Total per acre.....13 lbs.

PASTURE MIXTURE No. 7

For range land for fattening feeder cattle and lambs.

	Amount
Mountain Brome Grass	3 lbs.
Smooth Brome Grass	4
Crested Wheat Grass	4
Yellow Sweet Clover	4

Total per acre

Pasture Mixture Prices

f.o.b. Salt Lake City			
On orders for less than 10 lbs. add 10-24 lbs.	per lb.	25-99 lbs. per lb.	Bag lots 100 lbs.
No. 1 as above .....	.45	.44	\$43.00
No. 2 as above .....	.43	.42	41.00
No. 3 as above .....	.42	.41	40.00
No. 4 as above .....	.35½	.34½	33.50
No. 5 as above .....	.45	.44	43.00
No. 6 as above .....	.26½	.25½	24.50
No. 7 as above .....	.26	.25	24.00

GRASS

For Range, Meadow and Pasture



A snapshot taken at our trial grounds at Centerville, shows Rodney Porter, foreman of our wholesale department, standing in Brome Grass with two rows of Crested Wheat in foreground.

Mountain Brome (*Bromus Marginatus*)

This stout perennial bunch grass is very common between the altitudes of about 5,000 and 10,000 feet. It has a very wide range of soil adaptations, varying from fairly moist loamy soils, where the best growth is made, to fairly dry, gravelly soils. Mountain Brome Grass, when young, is grazed closely by all classes of livestock. Where it can be cut for hay, it makes a very fine feed for horses and cattle.

It is an exceptional grass for the reclamation of land inaccessible to farm machinery, as good stands may be obtained by broadcasting on areas where seedbed preparation is not possible. Sow either Spring or Fall at the rate of 10 to 20 pounds per acre.

Smooth Brome Grass (*Bromus Inermis*)

Smooth Brome is one of the outstanding grasses for the Intermountain area, being well adapted to arid regions where rainfall is relatively low. It is the most palatable of all the important grasses, even surpassing the well-known Kentucky Blue Grass in this respect. Smooth Brome is a long-lived perennial with numerous creeping root stalks which form a dense heavy sod, making it capable of standing much abuse as a pasture grass. Brome thrives especially well on a rich, loamy soil; but in the wild state it grows in dry, gravelly soils, or even in pure sand. Recent experiments have shown it to succeed in alkali soils.

The stems attain a height of from two to three feet. Two cuttings of hay are generally obtained in a season, yields ranging from one to four tons per acre. After the third or fourth year Brome often becomes sod bound. This condition may be overcome by discing or shallow plowing. Brome can be sown either in Spring or Fall, preferably on a well prepared, firm seedbed at the rate of 10 to 20 pounds per acre. Drilling is preferable to broadcasting, wherever possible.

Indian Rice Grass

Very drought resistant. The Government has used large quantities of this variety in its dry land range reseeding program.

Kentucky Blue Grass

One of the best pasture grasses. It begins growth early and remains green very late in the fall. It is extremely resistant to cold. Kentucky Blue Grass does best on well drained loams and clay soils rich in humus. Sow 30 pounds per acre.

Meadow Fescue

An excellent grass for pasturage when planted alone or in combination with other grasses and clovers. It is a tufted, deep rooted, long-lived perennial, growing to a height of 15 to 30 inches. The leaves are bright green and very succulent, supplying palatable forage from early spring until late in the fall. On wet, alkali soils, few grasses are equal to Meadow Fescue. Yields average two tons per acre. Sow in the Spring or Fall at the rate of 20 to 30 pounds per acre.

Orchard Grass (*Dactylis glomerata*)

This very early pasture grass, furnishes feed at least three weeks before most other grasses. Even after close grazing, a ten-day interval is sufficient for another growth. It makes a heavy sod and gives splendid pasture until late in the Fall. Withstands drought and is very hardy; well suited for shaded places such as in orchards or groves. It grows in tufts and can be sown, if desired, with Red Clover and Alfalfa. When planted alone, sow at the rate of 20-25 pounds per acre.

Perennial Rye Grass

Perennial Rye is a most desirable grass for pastures, its chief value being as an ingredient for permanent pasture mixtures. It forms a close, heavy sod and recovers quickly after being grazed. The value of this grass on alkali soils cannot be over-emphasized. Perennial rye attains a height of 1½ to 2 feet, the blades are narrow. It is a rapid grower, establishing itself very quickly. The hay should be cut in the full-bloom stage. When seeded alone, sow at the rate of 20 to 25 pounds per acre in a well prepared, firm seedbed.

Poa Bulbosa (*Bulbous Bluegrass*)

A perennial grass which is one of the earliest available for pasturage. It makes excellent pasture either alone or when sown with alfalfa. It is often used to thicken up thin alfalfa stands, and when cut before it is too old, makes an excellent hay. This grass is relished by all kinds of livestock and has proven to be a very valuable feed for range cattle, sheep, horses, and other livestock.

Crested Wheat Grass (*Agropyron cristatum*)

It is a wonderful ranch and range grass which grows earlier in the Spring and later in the Fall because of its ability to grow at lower temperatures. As a hay crop, it is very highly nutritious and palatable, stands well under grazing. It has made a most remarkable showing under dry, arid conditions, succeeding where many other varieties fail. Crested Wheat is a long-lived grass. Fields 20 years old are still doing well. It is relished by livestock and adapts itself to a wide range of soils. For hay and pasture, sow 10 pounds per acre.

SEED—

Critically Grown Seed of Highest Germination



The above snapshot shows a section of the ranch producing our Mountain Brome Grass Seed. Important is the row cultivation which insures weed-free seed of finest quality.

Blue Wild Rye

Blue Wild Rye is a recent development that shows particular promise because it is highly palatable, bears seed abundantly, establishes itself readily and produces a dense ground cover. These facts give it a high value for use in soil and moisture conservation, as well as for range forage.

It is much like Canada Wild Rye in habit of growth, except that it has shorter awns, somewhat finer foliage and a bluish cast.

Sand Drop Seed

Sand Dropseed, *Sporobolus Cryptandrus*, is especially well adapted to the states west of the Mississippi River. As the name indicates it is usually at its best on sandy or semi-sandy soils.

The soil conservation service uses Sand Dropseed more extensively than any other grass because of its ability to cover waste places in even a few weeks' time.

In mixture with the wheat grasses and bromes, Sand Drop will provide abundant forage while the slower growers are establishing themselves. The forage is rather heavy and is fairly palatable to all classes of livestock. Plant at any time at the rate of 2 to 5 pounds per acre.

Slender Wheat Grass

This is a native North American bunch grass, which has proved very valuable under cultivation. It is a bunch forming variety, being better adapted to range land than meadows; however, recent tests are proving its value as a grass for alkali soils. It is recommended for pastures in canyons or flats, succeeding exceptionally well at high elevations. It grows in dry, arid sections, producing numerous slender, erect stems, two to four feet high, with narrow, flat leaves. Sow either Fall or Spring at the rate of 5 to 15 pounds per acre.

Western Wheat Grass

Small crop harvested. Write.



Snapshot taken at our Centerville Trial Grounds showing Meadow Fescue on the left and Reed Canary Grass on the right.

Red Top

A valuable grass for moist soils. It makes a good permanent stand and is well adapted to pastures. It has been grown very successfully even on alkali and bottom land where many other grasses have failed. It is used also as a lawn grass as it makes a fine stem and good turf. Sow 15-25 pounds per acre.

Reed Canary Grass (*Phalaris arundinacea*)

This is a valuable high-yielding forage plant which is naturally adapted to grow on low, wet lands. As a permanent source of high quality hay and good pasturage. For hay, cut as soon as the head begins to appear. Two or three crops of hay and some fall pasture may be obtained by such a practice. Everyone with moist and boggy soils should give this excellent grass a trial. Sow it at the rate of 5 to 6 pounds per acre, broadcast and in drill, 2 to 3 pounds per acre in 16 to 18 inch rows.

Sudan Grass

See page 76.

Tall Meadow Oat Grass

Is a long-lived, deep-rooted perennial bunch grass, fairly drought-resistant and produces an abundance of forage early in the Spring.

Timothy

Of hay grasses, Timothy leads all. Thrives on clay or heavy loams, wet or boggy soils, or in mountainous districts. At higher elevations where fewer grasses and clovers are adaptable, Timothy is the most important hay and pasture crop. Alone, sow 12 pounds to the acre, or with clover, 10 pounds Timothy and 6 pounds clover.

Western Alkali Grass

Small crop harvested. Write.

Grass Seed Prices

f.o.b. Salt Lake City			
For less than 10 lbs. add 1c per lb. to the 10 lb. rate	10-24 lbs. per lb.	25-99 lbs. per lb.	Bag lots 100 lbs.
Brome Grass, Mountain .....	.28	.27	\$26.00
Brome Grass, Smooth .....	.24	.23	22.00
Crested Wheat .....	.22	.21	20.00
Indian Rice Grass .....	.80	.79	78.00
Kentucky Blue (Meadow Grade).....	.39	.38	37.00
Meadow Fescue .....	.37	.36	35.00
Orchard Grass .....	.47	.46	45.00
Perennial Rye (Certified) .....	.27	.26	25.00
Poa Bulbosa .....	.26	.25	24.00
Red Top (98 pure) .....	.29½	.28½	27.50
Red Top (92 pure) .....	.28	.27	26.00
Reed Canary .....	.50½	.49½	48.00
Sand Drop Seed .....	.22½	.21½	20.50
Slender Wheat .....	.18½	.17½	16.50
Tall Meadow Oat .....	.48	.47	46.00
Timothy (99.50 pure) .....	.15	.14	13.00

Field Peas

Canadian Field—They enrich the soil and are splendid stock feed. For hay, they should be cut while the milk is in the vine forming the pod. Plant early in the spring at the rate of 100-120 lbs. per acre or 60 lbs. with a nurse crop of Oats or Spring Rye.

Millet

Early Fortune or Red Hog—This seed is of a shiny reddish brown. The heads are compact. It is ready to harvest in 50 to 60 days.

Golden or German—This is one of the best varieties for hay and fodder. It makes rapid, vigorous growth, often yielding 3 to 5 tons of hay per acre, on good rich soil. It grows 4 to 5 feet high, is of rather coarse appearance, and should be cut for hay before it is in full bloom. At this stage, the hay is of the best quality.

Yellow Hog—This is the most popular of the Proso type Millets, very valuable for late planting and as an emergency crop after others have failed. Hog Millet is mainly a grain crop; but has the advantage of the grain ripening while the stems are still green, which if cut at the proper time can be threshed for grain while the hay is of a good quality for feeding purposes.

Inoculate all Legume Seeds with

NITRAGIN

1898—Forty Seven Years of Service—1945
When ordering, Always state name of seed.

ALFALFA

Swt., Bur, Hubam Clovers
Size Retail
1 bu. each...\$.50
2½ bu. each... 1.00

CLOVERS

Medium & Mammoth Red,
Alsike, Crimson & White
Clovers
1 bu. each...\$.50
2½ bu. each... 1.00

LESPEDEZA

100 lb. size (Inoculates
up to 100 lbs.) ..\$.50

PEAS (All Varieties)

VETCHES (All Varieties)
100 lb. size (Inoculates
up to 100 lbs.) ea.\$.50
1200 lb. size ea. 5.70
(12-100 lb. cans)

LUPINES (All Varieties)

100 lb. size (Inoculates up to 100 lbs. seed) ea. \$.50

**GARDEN SIZE—Peas, Beans, Sweet Peas, Lupines, Lima
Beans and Edible Soybeans**
Enough for 8 lbs. seed — Retail Price 10c each

SOYBEANS

Size Retail
Small, (Inoculates up
to 120 lbs. seed) \$.30
5 bu. each..... .55
25 bu. each..... 2.50
(One can)
30 bu. each..... 3.25
(6-5 bu. cans)

BEANS—Navy, Pinto, Wax, String, Kidney and Great Northern

1 bu. each\$.35

PEANUTS, LIMA BEANS, COW PEAS

Small, (Inoculates up
to 120 lbs. seed) \$.30
5 bu. each..... .55
25 bu. each..... 2.50
(One can)
30 bu. each..... 3.25
(6-5 bu. cans)

Rape

Dwarf Essex—Pasture for hogs, sheep, and poultry. Sow 10 lbs. per acre. There is a need for an extra thick growing green forage crop for use any time during the fall, winter, and spring, and our Dwarf Essex Rape fills that need exactly.

Soy Beans

Bansei—See page 5.

Manchu—It is outstanding for all purposes—hay, feed, hogging down, as well as for planting with corn for the silo. Excellent yields of hay or a large crop of beans. A good average crop will produce 20 to 30 bushels of beans per acre. Manchu is a robust grower of vines which stand up well and are easily cut with corn or grain binder. This variety matures in about 100 days.

Dry Land Grain Sorghums

60-Day Milo—Is a Sorghum similar to Kaffir Corn. Grows erect with thick, close-jointed stalks 4 to 9 in. tall. The large heads give a heavy yield of grain. It is drought-resistant and does well on alkali soils.

Sweet Sorghums

Atlas Sorgo—Is one of the highest yielding forage crops grown. Produces as much as 25 tons of silage per acre, extremely drought-resistant, and is relished by livestock. It produces a long, leafy stalk, sweet and juicy, with a good grain head.

Black Amber Cane—80 to 100 days. Is the best known Sorgo and in many sections is the favorite because it is the earliest.

Sunflower

Grey Stripe—A good silage crop for dry land. They may be sown early or late as they grow rapidly. The silage is very palatable and has high feeding value. Cultivate and handle similar to corn. Plant 5 to 6 lbs. per acre.

Sudan Grass

Drill 15 to 20 lbs. or broadcast 25 lbs. per acre for pasture. It will endure much alkali. Planted in rich soil in June, it will be ready to pasture in 30 days. It will furnish grazing for two cows per acre throughout the summer. As a hay crop, it should be cut when heads appear. It takes several days of ideal weather to cure. A second crop may be cut or pastured if preferred. All kinds of livestock relish Sudan Grass—it has a sweet taste.

Vetch

Common—Is grown as a hay and seed crop, as well as for green manure, silage, and pasturage. It should be used far more extensively for orchardists as a cover and green manure crop. Sow 60-80 lbs. per acre.

ASK FOR P.-W.'s FREE BULLETIN ON FARM AND FORAGE SEEDS—This contains authentic, dependable information on the value and adaptability of the various Farm and Range Clovers and Grasses, together with the planting and cultural directions.

Prices

	10-24 lbs. per lb.	25-99 lbs. per lb.	Bag lots 100 lbs.
Canadian Field Peas .....	.11½	.10½	9.50
Golden Millet .....	.08	.07	6.00
Yellow Hog Millet .....	.08	.07	6.00
Early Fortune Millet .....	.08	.07	6.00
Dwarf Essex Rape .....	.25½	.24½	23.50
Soy Beans Manchu .....	.10	.09	8.00
Sudan Grass .....	.12	.11	10.00
Sunflower Grey Stripe .....	.22	.21	20.00
Common Spring Vetch .....	.14½	.13½	12.50
60-Day Milo .....	.09½	.08½	7.50
Atlas Sorgo .....	.09	.08	7.00
Black Amber Cane .....	.09	.08	7.00

About Prices

The above prices are subject to market changes. You are safe, however, in sending remittance according to these prices. In case of decline the difference will be promptly refunded; if there has been an advance, you will be notified for your confirmation before shipment is made.



A Field of Sudan Grass



The above shows the quick development of P.-W.'s Velvet Green Mixture. The photograph was taken at our Centerville Display Gardens, just six weeks after the seed was sown.

PORTER-WALTON'S DEPENDABLE LAWN SEED

LAWN MIXTURE

P.-W.'s "Green Lawn" Mixtures

We are especially proud of these lawn mixtures. They are composed of the pure seeds of those fine-leaved and deep-rooted permanent grasses best suited for residence lawns. These famous mixtures contain White Dutch Clover in proportions as follows:

VELVET GREEN—Contains 15% clover. Not prepaid, lb., 70c; 10 lbs., \$6.50; 25 lbs., \$15.00.

EVER GREEN—Contains 5% clover. Not prepaid, lb., 60c; 10 lbs., \$5.50; 25 lbs., \$12.50.

P.-W.'s "GREEN LAWN" MIXTURES

Rootone Treated

Many of our customers have expressed great satisfaction with their lawns grown from Rootone treated seeds.

Quicker Germination - Heavier Turf Deeper, Stronger Root Growth

Rootone treated lawns give better utilization of fertilizer and water and will crowd out the weeds.

VELVET GREEN (Rootone Treated)

1 lb., 80c; 10 lbs., \$7.50; 25 lbs., \$17.50.

EVER GREEN (Rootone Treated)

1 lb., 70c; 10 lbs., \$6.50; 25 lbs., \$15.00.

Shady Nook Mixture

A proven formula which includes varieties which are shade tolerant, together with varieties that do well in full sunlight. The mixture may be used with confidence on both sun and shaded areas, to produce turf of high quality, uniform, springy, and medium green in color. Not prepaid, lb., 85c; 10 lbs., \$8.00; 25 lbs., \$18.75.

Special Bent Mixture

With this mixture you can have a putting green on your own lawn, equal to the best golf greens and there will be no trouble from dandelions and other weeds. Not prepaid, lb., \$1.00; 10 lbs., \$9.50.

Pamphlet, "Lawns—How to Make Them," free with every purchase. Ask for it.

LAWN CLOVER

White Dutch Clover for Lawns

It is the best clover to include in grass mixtures. Advantages are that it grows quickly, remains green all season, and is helpful to grasses growing with it. Gardeners who prefer heavy clover growth should include 2 oz. to each pound of grass. Not prepaid, lb., \$1.25; 10 lbs., \$12.00.

LAWN GRASSES

Kentucky Blue Grass

(*Poa pratensis*)

A deep green grass that does well on most types of soil. It continues to grow at low temperatures which keeps your lawn green in spring and autumn. Kentucky Blue is the "backbone" of fine lawn mixtures. It is aggressive and spreads rapidly, making a sod of fine texture.

EXTRA FANCY, 24 lb. grade, triple cleaned, lb., 60c; 10 lbs., \$5.50; 25 lbs., \$12.50.

SUPER FANCY, 28 lb. grade, triple cleaned, lb., 65c; 10 lbs., \$6.00; 25 lbs., \$13.75.

Astoria Bent Grass

(Blue Tag Certified Grade)

Properly cared for, Bent makes a beautiful lawn, discouraging weed growth. It is the true creeping type and forms a very dense sod. Lb., \$1.35; 10 lbs., \$12.50.

Chewings Fescue

Forms a mat-like sod with a pleasing green color. The leaves are fine needle-like, and bristly. It withstands hard wear and extreme drought. Suits almost all soils, especially those of a sandy or gravelly nature. It is one of the best grasses for shady areas. Not prepaid, lb., \$1.10; 10 lbs., \$10.00.

Creeping Red Fescue

Like Chewings Fescue, it is exceptional on sandy or gravelly soils and unexcelled in shade. The turf of the finer strains of Red Fescue are probably the most beautiful of all lawn grasses. Not prepaid, lb., \$1.25; 10 lbs., \$11.50.

CULTURAL INFORMATION and use of FLOWERS - VINES - SHRUBS - TREES
This is the key to the small and capital letters immediately following the family or variety names. These quick reference tables contain the additional information which you may need for intelligent selection and placement of the splendid array of planting materials offered in this catalog.

Classification and Hardiness

- (Based on climatic conditions in the Salt Lake Valley and similar areas.)
- a—Plants that produce their flowers from seed the first year but do not survive the winter.
 - b—Plants that rarely produce flowers from seed until the second year and then die.
 - c—Plants that rarely flower from seed until the second year, but flower in season thereafter.
 - d—Bulbous herbaceous or tuberous rooted plants that are winter hardy without protection.
 - e—Bulbous, herbaceous or tuberous rooted plants that need winter protection.
 - f—Bulbous or tuberous rooted plants that must be lifted and given frost-proof storage during winter.
 - g—Vines, shrubs or trees that are hardy everywhere. (Including higher altitudes.)
 - h—Vines, shrubs, or trees that are hardy in the Salt Lake Valley but need winter protection in higher altitudes and colder sections.
 - i—Vines, shrubs or trees that need slight winter protection or sheltered situation in Salt Lake Valley and not recommended for colder areas.

Location (Conditions Most Favorable)

- j—Very adaptable—does well in full sun to part shade and any good average soil condition.
- k—Likes full sun.
- l—Will tolerate full shade.
- m—Does well in dry situations.
- n—Does well in wet situations.
- o—Prefers a cool, moist situation.

General Utility or useful for:

- p—Hedges.
- q—Ground cover or carpeting plants.
- r—Cut flowers.
- s—Bedding and massing.
- t—Backgrounds or screening.
- u—Dwarf border, edgings, rock gardens.

Special Utility - useful for:

- v—Refined lawn groups.
- w—Window, porch box, or urns.
- x—Banks and steep slopes.
- y—Parking or shade.
- z—House plant.

Time and Duration of Bloom

- A—Late winter and early spring.
- B—Late spring and early summer.
- C—Late summer and early fall.
- D—Fall until winter.
- E—Winter fruit or berries.
- F—Continuous bloom throughout season.

Seed Planting Information

- How Deep**—The proper depth is very important. As a general rule, large seeds should be covered 4 or 5 times their diameter, medium and small seeds accordingly. Very fine seeds should be merely pressed into the soil, firming the soil well over them. Soil should always be well pulverized to receive the seed and kept thoroughly moist after seed has been planted.
- G—Sow seed where plants are to grow in early spring or late fall just before the ground freezes.
 - H—Sow seed where plants are to grow in middle or late spring; past frost danger when plants appear above ground.
 - I—Sow seed for succession during spring and early summer.
 - J—Sow seed in early spring, mid-summer, or fall in well-prepared bed and transplant seedlings where they are to grow.
 - K—Sow inside in flats, pots, or boxes, in late winter or early spring, transplant to garden when frost danger is over.
 - L—Sow in hotbed or cold frame in early spring.
 - M—Seed needs chilling before proper germination can be secured. Sow, therefore, in late fall in beds or open ground.

Soil Requirements and Preferences

- N—Of easiest culture for the beginner and does well in the average garden soil.
- O—Tolerant of alkaline soils.
- P—Prefers neutral or slightly alkaline soil.
- Q—Prefers acid reacting soil.
- R—Does well in poor soil.
- S—Thrives best in well-enriched soil.
- T—Likes heavy, clay soil.
- U—Likes light, well-drained soil.

Pruning Requirements

- V—Prune heavily when planted.
- W—Require little pruning or thinning after planting.
- X—Require heavy pruning in late winter or early spring only.
- Y—Annually immediately after flowering.
- Z—Shear in spring before new growth starts or in late summer just before the season growth stops.

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CHARMING CLIMBERS and GROUND COVERS

to soften projecting lines
of land or architecture

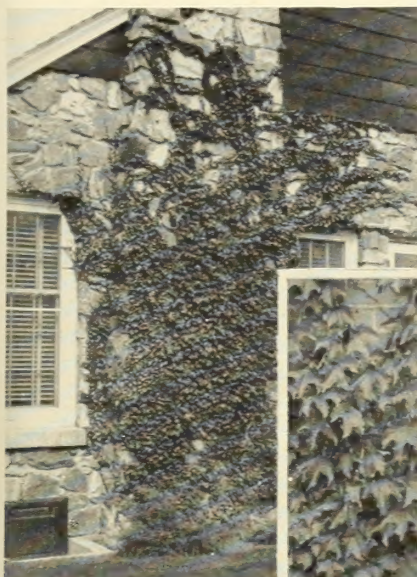
Ampelopsis

ENGELMANI (New Virginia Creeper) gjmBENVW (H-35-40'). Rapid grower. Self clinging to most surfaces. Each 60c.

VEITCHI (Boston Ivy) gjIN. Clings firmly to smooth surfaces. The glossy refined foliage is a most handsome wall covering. **Dormant Roots 85c each; established in cans \$1.25.** Canned stock travels cheaper by express. If required by mail add 28c each for packing and postage.

Bignonia (H-20') gmjFNV

MME. GALEN (Giant Trumpet Vine). The most striking improvement in this family. Broader trumpets and a beautiful rich shade of orange. Each \$1.50. **RADICANS** (Common Trumpet Creeper). Each 60c.



BOSTON IVY

inches below the surface. A mulch of peat moss to keep the roots moist in summer, and protect them in winter is very helpful the first year.

JACKMANI (H-20'). A most popular variety—velvety violet purple.

VILLE DE LYON (H-15-20'). Form a curtain of lovely carmine red flowers with deeper tones in the center. **Either of above—1 year plants from 4-inch pots, \$1.00 each.**

Euonymus

COLORATA—jhlqU (H-1'). An evergreen creeper of unusual distinction. Compact form and luxuriant foliage make it the most highly prized ground cover. 2 yr. plants 75c each; 10 for \$6.50; 25 for \$14.75; 100 for \$52.00.

RADICANS VEGETA (Evergreen Bittersweet) hjlqBEN (H-15'). Unequaled as a wall covering. Each \$1.00.

Hedra (H-20') gloqU

HELIX GRACILIS (Baltica Ivy). Excellent as a climber or a ground cover. 2½ inch pots, 25c each; 10 for \$2.25; 100 for \$18.00.

Honeysuckle (Vine) gjloqxFUV

GOLDFLAME (See color illustration lower right). An everblooming honeysuckle of remarkable beauty. Admired by everyone who see it. Each 85c.

HALLIANA (Hall's Japan Honeysuckle). Semi-evergreen ground cover or climber. Fragrant white and yellow flowers. 2 yr. plants each 50c; 25 for \$9.00; 100 for \$32.00.

Silver Lace Vine

POLYGONUM AUBERTI—gjmBCNVXY (H-40'). Rapid grower. Each 85c.

Wisteria jhBUVW

SINENSIS. The old favorite lavender blue variety. Each 75c.



(Above) **CLEMATIS
VILLA DE LYON**

Celastrus (Bittersweet)

ORBICULATUS—jBENV (H-25'). More vigorous habit and better foliage than *Scandens*. Excellent for covering fences or arbors but is grown chiefly for its fruits which make beautiful cut sprays for winter decorations. 2 yr. 60c each.

Clematis

PANICULATA—hjoCN (H-25'). A strong growing but graceful vine. Produces an array of fragrant white flowers from August until fall. Each 75c.

Large Flowered Clematis

A partially shaded location is ideal for the large flowered Clematis. They thrive best in a rich loam of rather light texture. The soil should be slightly alkaline and must be well drained. The plants should be set with the collar of the plant at least 2 or 3

(Below) **CLEMATIS JACKMANI**



(Below) **EVERBLOOMING
HONEYSUCKLE GOLDFLAME**



MAKE YOUR

GARDEN DREAMS COME TRUE

Select Your
SEEDS
from
P.-W.'s
Display

insist on **PORTER-WALTON'S**

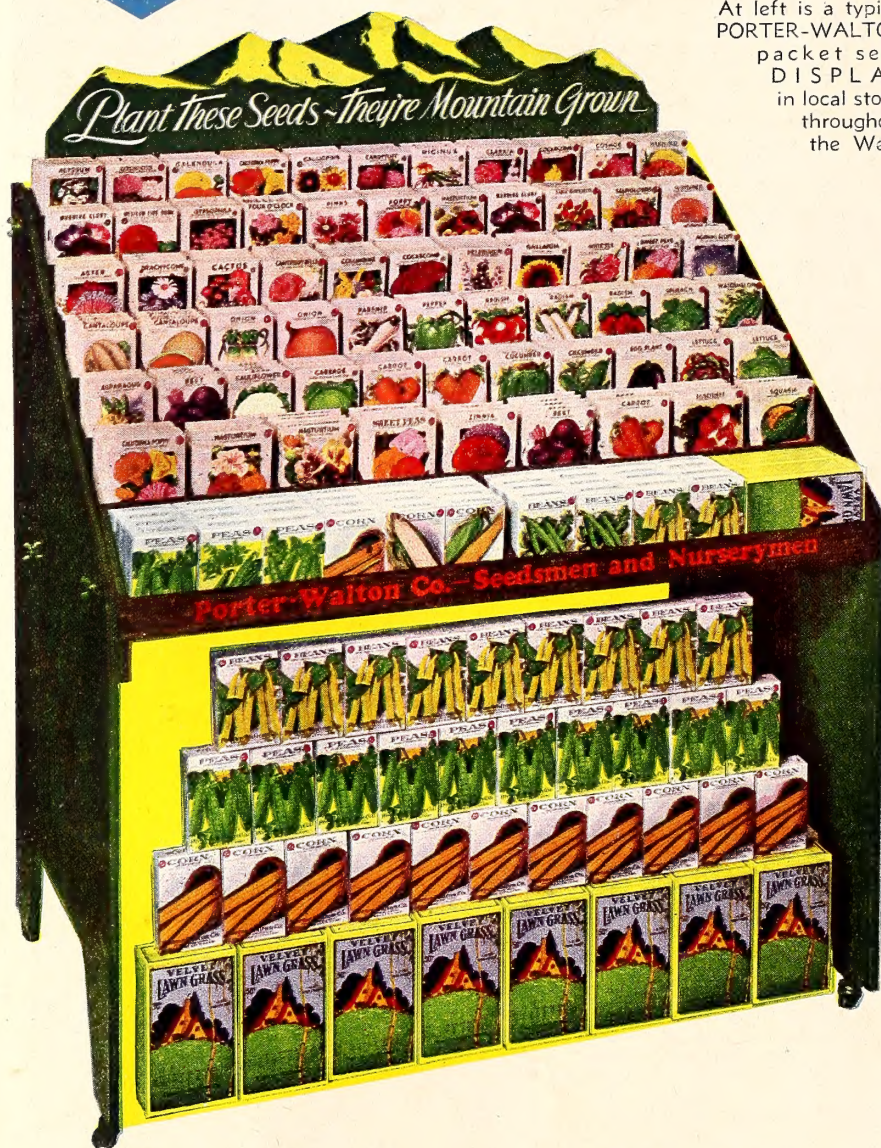
PURE-BRED STRAINS

FRESH • DEPENDABLE

AT YOUR

"STORE AROUND THE CORNER"

At left is a typical
PORTER-WALTON
packet seed
DISPLAY
in local stores
throughout
the West.



**"THERE IS NO SUBSTITUTE
FOR QUALITY"**

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